

## Type 3650 Series

### Key Features

- Choice of Four Package Sizes
- Wire Wound Construction
- Smooth Top Aids Placement
- 1.0nH to 4.7mH Value Range
- Laboratory Design Kits Available
- High Q Factor
- High S.R.F.
- Standard Tolerances



The 3650 Series is a new concept from TE Connectivity, a range of inductors in values from 1.0 nanohenry to 4.7 microhenries. The 3650 is available in four package sizes and is designed for automatic placement.

### Characteristics - Electrical Type 36501E Series - 0402 Package

| Inductance Code | Inductance (nH) @ 250MHz | Tolerance (%) | Q Min. | S.R.F. Min. (GHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | 900MHz |        | 1.7GHz |        |
|-----------------|--------------------------|---------------|--------|-------------------|-------------------|------------------|--------|--------|--------|--------|
|                 |                          |               |        |                   |                   |                  | L Typ. | Q Typ. | L Typ. | Q Typ. |
| 1N0             | 1.0                      | 10            | 16     | 12.7              | 0.045             | 1360             | 1.02   | 77     | 1.02   | 69     |
| 1N9             | 1.9                      | 10,5          | 16     | 11.3              | 0.070             | 1040             | 1.72   | 68     | 1.74   | 82     |
| 2N0             | 2.0                      | 10,5          | 16     | 11.1              | 0.070             | 1040             | 1.93   | 54     | 1.93   | 75     |
| 2N2             | 2.2                      | 10,5          | 19     | 10.8              | 0.070             | 960              | 2.19   | 59     | 2.23   | 100    |
| 2N4             | 2.4                      | 10,5          | 15     | 10.5              | 0.070             | 790              | 2.24   | 51     | 2.27   | 68     |
| 2N7             | 2.7                      | 10,5          | 16     | 10.4              | 0.120             | 640              | 2.23   | 42     | 2.25   | 61     |
| 3N3             | 3.3                      | 10,5,2        | 19     | 7.00              | 0.066             | 840              | 3.10   | 65     | 3.12   | 87     |
| 3N6             | 3.6                      | 10,5,2        | 19     | 6.80              | 0.066             | 840              | 3.56   | 45     | 3.62   | 71     |
| 3N9             | 3.9                      | 10,5,2        | 19     | 5.80              | 0.066             | 840              | 3.89   | 50     | 4.00   | 75     |
| 4N3             | 4.3                      | 10,5,2        | 18     | 6.00              | 0.091             | 700              | 4.19   | 47     | 4.30   | 71     |
| 4N7             | 4.7                      | 10,5,2        | 15     | 4.70              | 0.130             | 640              | 4.55   | 48     | 4.68   | 68     |
| 5N1             | 5.1                      | 10,5,2        | 20     | 4.80              | 0.083             | 800              | 5.15   | 56     | 5.25   | 82     |
| 5N6             | 5.6                      | 10,5,2        | 20     | 4.80              | 0.083             | 760              | 5.16   | 54     | 5.28   | 81     |
| 6N2             | 6.2                      | 10,5,2        | 20     | 4.80              | 0.083             | 760              | 6.16   | 52     | 6.37   | 76     |
| 6N8             | 6.8                      | 10,5,2        | 20     | 4.80              | 0.083             | 680              | 6.56   | 63     | 6.93   | 78     |
| 7N5             | 7.5                      | 10,5,2        | 22     | 4.80              | 0.104             | 680              | 7.91   | 60     | 8.22   | 88     |
| 8N2             | 8.2                      | 10,5,2        | 22     | 4.40              | 0.104             | 680              | 8.50   | 57     | 8.85   | 84     |
| 8N7             | 8.7                      | 10,5,2        | 18     | 4.10              | 0.200             | 480              | 8.78   | 54     | 9.21   | 73     |
| 9N0             | 9.0                      | 10,5,2        | 22     | 4.16              | 0.104             | 680              | 9.07   | 62     | 9.53   | 78     |
| 9N5             | 9.5                      | 10,5,2        | 18     | 4.00              | 0.200             | 480              | 9.42   | 54     | 9.98   | 69     |
| 10N             | 10                       | 10,5,2        | 21     | 3.90              | 0.195             | 480              | 9.8    | 50     | 10.1   | 67     |
| 11N             | 11                       | 10,5,2        | 24     | 3.68              | 0.120             | 640              | 10.7   | 52     | 11.2   | 78     |
| 12N             | 12                       | 10,5,2        | 24     | 3.60              | 0.120             | 640              | 11.9   | 53     | 12.7   | 71     |
| 13N             | 13                       | 10,5,2        | 24     | 3.45              | 0.210             | 440              | 13.4   | 51     | 14.6   | 57     |
| 15N             | 15                       | 10,5,2        | 24     | 3.28              | 0.172             | 560              | 14.6   | 55     | 15.5   | 77     |
| 16N             | 16                       | 10,5,2        | 24     | 3.10              | 0.220             | 560              | 16.6   | 46     | 18.8   | 47     |
| 18N             | 18                       | 10,5,2        | 24     | 3.10              | 0.230             | 420              | 18.3   | 57     | 20.28  | 62     |
| 19N             | 19                       | 10,5,2        | 24     | 3.04              | 0.202             | 480              | 19.1   | 50     | 21.1   | 67     |
| 20N             | 20                       | 10,5,2        | 25     | 3.00              | 0.250             | 420              | 20.7   | 52     | 23.66  | 53     |
| 22N             | 22                       | 10,5,2        | 25     | 2.80              | 0.300             | 400              | 23.2   | 53     | 26.75  | 53     |
| 23N             | 23                       | 10,5,2        | 22     | 2.72              | 0.300             | 400              | 23.8   | 49     | 26.9   | 64     |
| 24N             | 24                       | 10,5,2        | 25     | 2.70              | 0.300             | 400              | 25.1   | 51     | 29.5   | 50     |
| 27N             | 27                       | 10,5,2        | 24     | 2.48              | 0.300             | 400              | 28.7   | 49     | 33.5   | 63     |

## Type 3650 Series

### Characteristics - Electrical - Type 36501E Series - 0402 Package (cont.)

| Inductance Code | Inductance (nH) @ 250MHz | Tolerance (%) | Q Min. | S.R.F. Min. (GHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | 900MHz |        | 1.7GHz |        |
|-----------------|--------------------------|---------------|--------|-------------------|-------------------|------------------|--------|--------|--------|--------|
|                 |                          |               |        |                   |                   |                  | L Typ. | Q Typ. | L Typ. | Q Typ. |
| 30N             | 30                       | 10,5,2        | 25     | 2.35              | 0.350             | 400              | 31.1   | 46     | 38.5   | 39     |
| 33N             | 33                       | 10,5,2        | 24     | 2.35              | 0.350             | 400              | 34.9   | 31     | 41.74  | 32     |
| 36N             | 36                       | 10,5,2        | 24     | 2.32              | 0.440             | 320              | 39.5   | 44     | 48.4   | 53     |
| 39N             | 39                       | 10,5,2        | 25     | 2.10              | 0.550             | 200              | 41.7   | 47     | 50.23  | 45     |
| 40N             | 40                       | 10,5,2        | 24     | 2.24              | 0.440             | 320              | 39.0   | 44     | 47.4   | 33     |
| 43N             | 43                       | 10,5,2        | 25     | 2.03              | 0.810             | 100              | 45.8   | 46     | 61.55  | 34     |
| 47N             | 47                       | 10,5,2        | 20     | 2.10              | 0.830             | 150              | 50.0   | 38     | -      | -      |
| 51N             | 51                       | 10,5,2        | 25     | 1.75              | 0.820             | 100              | -      | -      | -      | -      |
| 56N             | 56                       | 10,5,2        | 22     | 1.76              | 0.970             | 100              | -      | -      | -      | -      |
| 68N             | 68                       | 10,5,2        | 22     | 1.62              | 1.120             | 100              | -      | -      | -      | -      |

### Characteristics - Electrical - Type 36501J Series - 0603 Package

| Inductance Code | Inductance (nH) @ 250MHz | Tolerance (%) | Q Min. | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | 900MHz |        | 1.7GHz |        | Colour Code |
|-----------------|--------------------------|---------------|--------|-------------------|-------------------|------------------|--------|--------|--------|--------|-------------|
|                 |                          |               |        |                   |                   |                  | L Typ. | Q Typ. | L Typ. | Q Typ. |             |
| 1N6             | 1.6                      | 10,5          | 16     | 12500             | 0.040             | 700              | 1.53   | 35     | 1.58   | 55     | Blue        |
| 1N8             | 1.8                      | 10,5          | 16     | 12500             | 0.045             | 700              | 1.63   | 35     | 1.66   | 50     | Black       |
| 2N2             | 2.2                      | 10,5          | 20     | 6000              | 0.100             | 700              | 2.18   | 41     | 2.20   | 64     | White       |
| 3N3             | 3.3                      | 10,5,2        | 22     | >6000             | 0.080             | 700              | 3.35   | 47     | 3.40   | 65     | Red         |
| 3N6             | 3.6                      | 10,5,2        | 22     | 5800              | 0.063             | 700              | 3.53   | 49     | 3.58   | 65     | Violet      |
| 3N9             | 3.9                      | 10,5,2        | 22     | >6000             | 0.080             | 700              | 3.95   | 49     | 3.96   | 67     | Brown       |
| 4N3             | 4.3                      | 10,5,2        | 22     | 5800              | 0.063             | 700              | 4.32   | 49     | 4.43   | 67     | Orange      |
| 4N7             | 4.7                      | 10,5,2        | 20     | 5800              | 0.120             | 700              | 4.65   | 53     | 4.80   | 67     | Violet      |
| 5N1             | 5.1                      | 10,5,2        | 20     | 5800              | 0.160             | 700              | 5.13   | 47     | 5.36   | 56     | Green       |
| 5N6             | 5.6                      | 10,5,2        | 20     | 5800              | 0.170             | 700              | 5.53   | 56     | 5.86   | 77     | Yellow      |
| 6N8             | 6.8                      | 10,5,2        | 27     | 5800              | 0.110             | 700              | 6.75   | 60     | 7.10   | 81     | Red         |
| 7N5             | 7.5                      | 10,5,2        | 27     | 4800              | 0.110             | 700              | 7.39   | 62     | 7.71   | 81     | Brown       |
| 8N2             | 8.2                      | 10,5,2        | 27     | 4800              | 0.110             | 700              | 8.25   | 64     | 8.40   | 81     | Green       |
| 8N7             | 8.7                      | 10,5,2        | 27     | 4800              | 0.110             | 700              | 8.84   | 62     | 9.38   | 58     | Yellow      |
| 9N5             | 9.5                      | 10,5,2        | 27     | 4800              | 0.130             | 700              | 9.64   | 59     | 10.5   | 61     | Blue        |
| 10N             | 10.0                     | 10,5,2        | 31     | 4800              | 0.130             | 700              | 10.0   | 66     | 10.6   | 83     | Orange      |
| 11N             | 11.0                     | 10,5,2        | 31     | 4000              | 0.086             | 700              | 11.3   | 53     | 12.1   | 56     | Grey        |
| 12N             | 12.0                     | 10,5,2        | 35     | 4000              | 0.130             | 700              | 12.3   | 72     | 13.5   | 83     | Yellow      |
| 15N             | 15.0                     | 10,5,2        | 35     | 4000              | 0.170             | 700              | 15.4   | 64     | 16.8   | 89     | Green       |
| 16N             | 16.0                     | 10,5,2        | 35     | 3300              | 0.110             | 700              | 16.5   | 55     | 18.0   | 52     | White       |
| 18N             | 18.0                     | 10,5,2        | 35     | 3100              | 0.170             | 700              | 18.7   | 70     | 21.4   | 69     | Blue        |
| 22N             | 22.0                     | 10,5,2        | 38     | 3000              | 0.190             | 700              | 22.8   | 73     | 26.1   | 71     | Violet      |
| 23N             | 23.0                     | 10,5,2        | 38     | 2850              | 0.190             | 700              | 24.1   | 71     | 28.0   | 71     | Orange      |
| 24N             | 24.0                     | 10,5,2        | 36     | 2800              | 0.130             | 700              | 25.7   | 45     | 30.9   | 40     | Black       |
| 27N             | 27.0                     | 10,5,2        | 40     | 2800              | 0.220             | 600              | 29.2   | 74     | 34.6   | 65     | Grey        |
| 30N             | 30.0                     | 10,5,2        | 37     | 2800              | 0.150             | 600              | 31.4   | 47     | 39.8   | 28     | Brown       |
| 33N             | 33.0                     | 10,5,2        | 40     | 2300              | 0.220             | 600              | 36.0   | 67     | 49.5   | 42     | White       |
| 36N             | 36.0                     | 10,5,2        | 37     | 2300              | 0.250             | 600              | 39.1   | 47     | 48.9   | 24     | Red         |
| 39N             | 39.0                     | 10,5,2        | 40     | 2200              | 0.250             | 600              | 42.7   | 60     | 60.2   | 40     | Black       |
| 43N             | 43.0                     | 10,5,2        | 38     | 2000              | 0.280             | 600              | 46.9   | 44     | 60.3   | 21     | Orange      |
| 47N             | 47.0                     | 10,5,2        | 38     | 2000              | 0.280             | 600              | 52.2   | 62     | 77.2   | 35     | Brown       |
| 51N             | 51.0                     | 10,5,2        | 35     | 1900              | 0.280             | 600              | 55.5   | 69     | 82.2   | 34     | Blue        |
| 56N             | 56.0                     | 10,5,2        | 38     | 1900              | 0.310             | 600              | 62.5   | 56     | 97.0   | 26     | Red         |
| 68N             | 68.0                     | 10,5,2        | 37     | 1700              | 0.340             | 600              | 80.5   | 54     | 168.0  | 21     | Orange      |
| 72N             | 72.0                     | 10,5,2        | 34     | 1700              | 0.490             | 400              | 82.0   | 53     | 135.0  | 20     | Yellow      |
| 82N             | 82.0                     | 10,5,2        | 34     | 1700              | 0.540             | 400              | 96.2   | 54     | 177.0  | 21     | Green       |
| R10             | 100                      | 10,5,2        | 34     | 1400              | 0.580             | 400              | 124    | 49     | -      | -      | Blue        |
| R11             | 110                      | 10,5,2        | 32     | 1350              | 0.610             | 300              | 138    | 43     | -      | -      | Violet      |
| R12             | 120                      | 10,5,2        | 32     | 1300              | 0.650             | 300              | 166    | 39     | -      | -      | Grey        |
| R15             | 150                      | 10,5,2        | 32     | 1300              | 0.950             | 280              | 230    | 25     | -      | -      | White       |
| R18             | 180                      | 10,5,2        | 25     | 1250              | 1.400             | 250              | 305    | 22     | -      | -      | Black       |
| R22             | 220                      | 10,5,2        | 25     | 1200              | 1.600             | 250              | -      | -      | -      | -      | Brown       |
| R26             | 260                      | 10,5,2        | 25     | 1000              | 2.000             | 200              | -      | -      | -      | -      | Orange      |
| R27             | 270                      | 10,5,2        | 25     | 900               | 2.100             | 200              | -      | -      | -      | -      | Red         |
| R33             | 330                      | 10,5,2        | 25     | 900               | 3.800             | 100              | -      | -      | -      | -      | Blue        |
| R39             | 390                      | 10,5,2        | 25     | 900               | 4.350             | 100              | -      | -      | -      | -      | Yellow      |

## Type 3650 Series

### Characteristics - Electrical Type 36502A Series - 0805 Package

| Inductance Code | Inductance (nH) @ 250MHz | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | Colour Code |
|-----------------|--------------------------|---------------|--------------|-------------------|-------------------|------------------|-------------|
| 2N8             | 2.8                      | 10,5          | 80 @ 1500MHz | 7900              | 0.06              | 800              | Grey        |
| 3N0             | 3.0                      | 10,5          | 65 @ 1500MHz | 7900              | 0.06              | 800              | White       |
| 3N3             | 3.3                      | 10,5          | 50 @ 1500MHz | 6000              | 0.08              | 600              | Black       |
| 5N6             | 5.6                      | 10,5          | 65 @ 1000MHz | 5500              | 0.08              | 600              | Orange      |
| 6N8             | 6.8                      | 10,5          | 50 @ 1000MHz | 5500              | 0.11              | 600              | Brown       |
| 7N5             | 7.5                      | 10,5          | 50 @ 1000MHz | 4500              | 0.14              | 600              | Green       |
| 8N2             | 8.2                      | 10,5          | 50 @ 1000MHz | 4700              | 0.12              | 600              | Red         |
| 8N7             | 8.7                      | 10,5          | 50 @ 1000MHz | 3900              | 0.21              | 400              | White       |
| 10N             | 10.0                     | 10,5,2        | 60 @ 500MHz  | 4200              | 0.10              | 600              | Blue        |
| 12N             | 12.0                     | 10,5,2        | 50 @ 500MHz  | 4000              | 0.15              | 600              | Orange      |
| 15N             | 15.0                     | 10,5,2        | 50 @ 500MHz  | 3400              | 0.17              | 600              | Yellow      |
| 18N             | 18.0                     | 10,5,2        | 50 @ 500MHz  | 3300              | 0.20              | 600              | Green       |
| 22N             | 22.0                     | 10,5,2        | 55 @ 500MHz  | 2600              | 0.22              | 500              | Blue        |
| 24N             | 24.0                     | 10,5,2        | 50 @ 500MHz  | 2000              | 0.22              | 500              | Grey        |
| 27N             | 27.0                     | 10,5,2        | 55 @ 500MHz  | 2500              | 0.25              | 500              | Violet      |
| 33N             | 33.0                     | 10,5,2        | 60 @ 500MHz  | 2050              | 0.27              | 500              | Grey        |
| 36N             | 36.0                     | 10,5,2        | 55 @ 500MHz  | 1700              | 0.27              | 500              | Orange      |
| 39N             | 39.0                     | 10,5,2        | 60 @ 500MHz  | 2000              | 0.29              | 500              | White       |
| 43N             | 43.0                     | 10,5,2        | 60 @ 500MHz  | 1650              | 0.34              | 500              | Yellow      |
| 47N             | 47.0                     | 10,5,2        | 60 @ 500MHz  | 1650              | 0.31              | 500              | Black       |
| 56N             | 56.0                     | 10,5,2        | 60 @ 500MHz  | 1550              | 0.34              | 500              | Brown       |
| 68N             | 68.0                     | 10,5,2        | 60 @ 500MHz  | 1450              | 0.38              | 500              | Red         |
| 72N             | 72.0                     | 10,5,2        | 65 @ 500MHz  | 1400              | 0.40              | 500              | Green       |
| 82N             | 82.0                     | 10,5,2        | 65 @ 500MHz  | 1300              | 0.42              | 400              | Orange      |
| 91N             | 91.0                     | 10,5,2        | 65 @ 500MHz  | 1200              | 0.48              | 400              | Black       |
| R10             | 100                      | 10,5,2        | 65 @ 500MHz  | 1200              | 0.46              | 400              | Yellow      |
| R11             | 110                      | 10,5,2        | 50 @ 250MHz  | 1000              | 0.48              | 400              | Brown       |
| R12             | 120                      | 10,5,2        | 50 @ 250MHz  | 1100              | 0.51              | 400              | Green       |
| R15             | 150                      | 10,5,2        | 50 @ 250MHz  | 920               | 0.56              | 400              | Blue        |
| R18             | 180                      | 10,5,2        | 50 @ 250MHz  | 870               | 0.64              | 400              | Violet      |
| R20             | 200                      | 10,5,2        | 50 @ 250MHz  | 860               | 0.66              | 400              | Orange      |
| R22             | 220                      | 10,5,2        | 50 @ 250MHz  | 850               | 0.70              | 400              | Grey        |
| R24             | 240                      | 10,5,2        | 44 @ 250MHz  | 690               | 1.00              | 350              | Red         |
| R25             | 250                      | 10,5,2        | 45 @ 250MHz  | 680               | 1.00              | 350              | Green       |
| R27             | 270                      | 10,5,2        | 48 @ 250MHz  | 650               | 1.00              | 350              | White       |
| R30             | 300                      | 10,5,2        | 48 @ 250MHz  | 620               | 1.20              | 330              | Yellow      |
| R33             | 330                      | 10,5,2        | 48 @ 250MHz  | 600               | 1.40              | 310              | Black       |
| R36             | 360                      | 10,5,2        | 48 @ 250MHz  | 580               | 1.45              | 300              | Green       |
| R39             | 390                      | 10,5,2        | 48 @ 250MHz  | 560               | 1.50              | 290              | Brown       |
| R43             | 430                      | 10,5,2        | 33 @ 100MHz  | 430               | 1.70              | 230              | Blue        |
| R47             | 470                      | 10,5,2        | 33 @ 100MHz  | 375               | 1.70              | 220              | Red         |
| R56             | 560                      | 10,5,2        | 23 @ 50MHz   | 340               | 1.90              | 210              | Orange      |
| R62             | 620                      | 10,5,2        | 23 @ 50MHz   | 220               | 2.20              | 210              | Yellow      |
| R68             | 680                      | 10,5,2        | 23 @ 50MHz   | 200               | 2.20              | 190              | Green       |
| R75             | 750                      | 10,5,2        | 23 @ 50MHz   | 200               | 2.30              | 180              | Blue        |
| R82             | 820                      | 10,5,2        | 23 @ 50MHz   | 200               | 2.35              | 180              | Violet      |
| 1R0             | 1000                     | 10,5,2        | 20 @ 50MHz   | 100               | 2.50              | 170              | Grey        |
| 1R2             | 1200                     | 10,5,2        | 18 @ 25MHz   | 100               | 2.50              | 170              | White       |
| 1R5             | 1500                     | 10,5,2        | 16 @ 25MHz   | 100               | 2.50              | 170              | Black       |
| 1R8             | 1800                     | 10,5,2        | 16 @ 7.9MHz  | 80                | 2.50              | 170              | Brown       |
| 2R2             | 2200                     | 10,5,2        | 16 @ 7.9MHz  | 60                | 2.70              | 160              | Red         |
| 2R7             | 2700                     | 10,5,2        | 16 @ 7.9MHz  | 50                | 2.95              | 150              | Orange      |

## Type 3650 Series

### Characteristics - Electrical Type 36502C Series - 1008 Package

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) |
|-----------------|-----------------|---------------|--------------|-------------------|-------------------|------------------|
| 5N6             | 5.6 @ 50MHz     | 10,5          | 50 @ 1500MHz | 4000              | 0.15              | 1000             |
| 10N             | 10 @ 50MHz      | 10,5,2        | 50 @ 500MHz  | 4100              | 0.08              | 1000             |
| 12N             | 12 @ 50MHz      | 10,5,2        | 50 @ 500MHz  | 3300              | 0.09              | 1000             |
| 15N             | 15 @ 50MHz      | 10,5,2        | 50 @ 500MHz  | 2500              | 0.11              | 1000             |
| 18N             | 18 @ 50MHz      | 10,5,2        | 50 @ 350MHz  | 2400              | 0.12              | 1000             |
| 22N             | 22 @ 50MHz      | 10,5,2        | 55 @ 350MHz  | 2400              | 0.12              | 1000             |
| 24N             | 24 @ 50MHz      | 10,5,2        | 55 @ 350MHz  | 1900              | 0.12              | 1000             |
| 27N             | 27 @ 50MHz      | 10,5,2        | 55 @ 350MHz  | 1600              | 0.13              | 1000             |
| 33N             | 33 @ 50MHz      | 10,5,2        | 60 @ 350MHz  | 1600              | 0.14              | 1000             |
| 39N             | 39 @ 50MHz      | 10,5,2        | 60 @ 350MHz  | 1500              | 0.15              | 1000             |
| 47N             | 47 @ 50MHz      | 10,5,2        | 65 @ 350MHz  | 1500              | 0.16              | 1000             |
| 56N             | 56 @ 50MHz      | 10,5,2        | 65 @ 350MHz  | 1300              | 0.18              | 1000             |
| 62N             | 62 @ 50MHz      | 10,5,2        | 65 @ 350MHz  | 1250              | 0.20              | 1000             |
| 68N             | 68 @ 50MHz      | 10,5,2        | 65 @ 350MHz  | 1300              | 0.20              | 1000             |
| 75N             | 75 @ 50MHz      | 10,5,2        | 60 @ 350MHz  | 1100              | 0.21              | 1000             |
| 82N             | 82 @ 50MHz      | 10,5,2        | 60 @ 350MHz  | 1000              | 0.22              | 1000             |
| R10             | 100 @ 25MHz     | 10,5,2        | 60 @ 350MHz  | 1000              | 0.56              | 650              |
| R12             | 120 @ 25MHz     | 10,5,2        | 60 @ 350MHz  | 950               | 0.63              | 650              |
| R15             | 150 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 850               | 0.70              | 580              |
| R18             | 180 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 750               | 0.77              | 620              |
| R22             | 220 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 700               | 0.84              | 500              |
| R24             | 240 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 650               | 0.88              | 500              |
| R27             | 270 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 600               | 0.91              | 500              |
| R30             | 300 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 585               | 1.00              | 450              |
| R33             | 330 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 570               | 1.05              | 450              |
| R36             | 360 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 530               | 1.10              | 470              |
| R39             | 390 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 500               | 1.12              | 470              |
| R43             | 430 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 480               | 1.15              | 470              |
| R47             | 470 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 450               | 1.19              | 470              |
| R56             | 560 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 415               | 1.33              | 400              |
| R62             | 620 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 375               | 1.40              | 300              |
| R68             | 680 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 375               | 1.47              | 400              |
| R75             | 750 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 360               | 1.54              | 360              |
| R82             | 820 @ 25MHz     | 10,5,2        | 45 @ 100MHz  | 350               | 1.61              | 400              |
| R91             | 910 @ 25MHz     | 10,5,2        | 35 @ 50MHz   | 320               | 1.68              | 380              |
| 1R0             | 1000 @ 25MHz    | 10,5,2        | 35 @ 50MHz   | 290               | 1.75              | 370              |
| 1R2             | 1200 @ 7.9MHz   | 10,5,2        | 35 @ 50MHz   | 250               | 2.00              | 310              |
| 1R5             | 1500 @ 7.9MHz   | 10,5,2        | 28 @ 50MHz   | 200               | 2.30              | 330              |
| 1R8             | 1800 @ 7.9MHz   | 10,5,2        | 28 @ 50MHz   | 160               | 2.60              | 300              |
| 2R2             | 2200 @ 7.9MHz   | 10,5,2        | 28 @ 50MHz   | 160               | 2.80              | 280              |
| 2R7             | 2700 @ 7.9MHz   | 10,5,2        | 22 @ 25MHz   | 140               | 3.20              | 290              |
| 3R3             | 3300 @ 7.9MHz   | 10,5,2        | 22 @ 25MHz   | 110               | 3.40              | 290              |
| 3R9             | 3900 @ 7.9MHz   | 10,5,2        | 20 @ 25MHz   | 100               | 3.60              | 260              |
| 4R7             | 4700 @ 7.9MHz   | 10,5,2        | 20 @ 25MHz   | 90                | 4.00              | 260              |
| 5R6             | 5600 @ 7.9MHz   | 10,5,2        | 16 @ 7.96MHz | 20                | 4.00              | 240              |
| 6R8             | 6800 @ 7.9MHz   | 10,5,2        | 15 @ 7.96MHz | 40                | 4.90              | 200              |
| 8R2             | 8200 @ 7.9MHz   | 10,5,2        | 15 @ 7.96MHz | 25                | 6.00              | 170              |
| 103             | 10000 @ 2.52MHz | 10,5,2        | 15 @ 7.96MHz | 20                | 9.00              | 150              |
| 123             | 12000 @ 2.52MHz | 10,5,2        | 15 @ 7.96MHz | 18                | 10.5              | 130              |
| 153             | 15000 @ 2.52MHz | 10,5,2        | 15 @ 7.96MHz | 15                | 11.5              | 120              |

## Type 3650 Series

### Characteristics - Electrical

#### Type 36512A Series - 0805 Package - Low Profile

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | Colour Code |
|-----------------|-----------------|---------------|--------------|-------------------|-------------------|------------------|-------------|
| 1N8             | 1.8 @ 250MHz    | 10            | 55 @ 1500MHz | 9400              | 0.03              | 800              | Black       |
| 3N9             | 3.9 @ 250MHz    | 10,5          | 50 @ 1000MHz | 6100              | 0.06              | 800              | Brown       |
| 4N7             | 4.7 @ 250MHz    | 10,5          | 50 @ 1000MHz | 5500              | 0.06              | 800              | Red         |
| 6N8             | 6.8 @ 250MHz    | 10,5          | 50 @ 1000MHz | 5500              | 0.08              | 800              | Orange      |
| 8N2             | 8.2 @ 250MHz    | 10,5          | 50 @ 1000MHz | 4800              | 0.08              | 800              | Yellow      |
| 10N             | 10.0 @ 250MHz   | 10,5,2        | 55 @ 750MHz  | 3300              | 0.08              | 800              | Green       |
| 12N             | 12.0 @ 250MHz   | 10,5,2        | 55 @ 750MHz  | 3800              | 0.10              | 800              | Blue        |
| 15N             | 15.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 2950              | 0.10              | 800              | Violet      |
| 18N             | 18.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 3100              | 0.13              | 800              | Grey        |
| 22N             | 22.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 2900              | 0.15              | 800              | White       |
| 27N             | 27.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 2450              | 0.23              | 600              | Black       |
| 33N             | 33.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 2350              | 0.28              | 600              | Brown       |
| 39N             | 39.0 @ 250MHz   | 10,5,2        | 50 @ 500MHz  | 2200              | 0.33              | 600              | Red         |
| 47N             | 47.0 @ 200MHz   | 10,5,2        | 50 @ 500MHz  | 2000              | 0.39              | 600              | Orange      |
| 56N             | 56.0 @ 200MHz   | 10,5,2        | 50 @ 500MHz  | 1850              | 0.39              | 500              | Yellow      |
| 68N             | 68.0 @ 200MHz   | 10,5,2        | 50 @ 500MHz  | 1500              | 0.40              | 500              | Green       |
| 82N             | 82.0 @ 150MHz   | 10,5,2        | 50 @ 500MHz  | 1500              | 0.44              | 500              | Blue        |
| R10             | 100.0 @ 150MHz  | 10,5,2        | 50 @ 500MHz  | 1200              | 0.64              | 400              | Violet      |
| R12             | 120.0 @ 150MHz  | 10,5,2        | 40 @ 250MHz  | 1150              | 0.68              | 300              | Grey        |
| R15             | 150.0 @ 150MHz  | 10,5,2        | 40 @ 250MHz  | 1050              | 0.80              | 300              | White       |
| 1R0             | 1000.0 @ 25MHz  | 10,5,2        | 16 @ 50MHz   | 80                | 2.00              | 220              | Black       |

### Characteristics - Electrical

#### Type 36512C Series - 1008 Package - Low Profile

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) |
|-----------------|-----------------|---------------|--------------|-------------------|-------------------|------------------|
| 3N3             | 3.3 @ 50MHz     | 10,5          | 42 @ 1500MHz | 6000              | 0.03              | 1000             |
| 3N9             | 3.9 @ 50MHz     | 10,5          | 42 @ 1500MHz | 6000              | 0.08              | 1000             |
| 4N7             | 4.7 @ 50MHz     | 10,5          | 42 @ 1500MHz | 6000              | 0.15              | 600              |
| 5N6             | 5.6 @ 50MHz     | 10,5          | 50 @ 1500MHz | 5800              | 0.16              | 600              |
| 6N8             | 6.8 @ 50MHz     | 10,5          | 50 @ 1500MHz | 5400              | 0.17              | 600              |
| 8N2             | 8.2 @ 50MHz     | 10,5          | 50 @ 1500MHz | 5000              | 0.22              | 600              |
| 15N             | 15 @ 50MHz      | 10,5          | 57 @ 500MHz  | 3000              | 0.22              | 600              |
| 20N             | 20 @ 50MHz      | 10,5          | 72 @ 500MHz  | 2400              | 0.33              | 600              |
| 30N             | 30 @ 50MHz      | 10,5          | 69 @ 500MHz  | 2400              | 0.38              | 600              |
| 40N             | 40 @ 50MHz      | 10,5          | 67 @ 500MHz  | 2000              | 0.43              | 600              |
| 50N             | 50 @ 50MHz      | 10,5,2        | 72 @ 500MHz  | 1900              | 0.48              | 600              |
| 56N             | 56 @ 50MHz      | 10,5,2        | 67 @ 500MHz  | 1850              | 0.49              | 600              |
| 60N             | 60 @ 50MHz      | 10,5,2        | 75 @ 500MHz  | 1800              | 0.52              | 600              |
| 68N             | 68 @ 50MHz      | 10,5,2        | 72 @ 500MHz  | 1750              | 0.53              | 560              |
| 70N             | 70 @ 50MHz      | 10,5,2        | 68 @ 500MHz  | 1700              | 0.55              | 510              |
| 80N             | 80 @ 50MHz      | 10,5,2        | 75 @ 500MHz  | 1400              | 0.56              | 510              |
| 90N             | 90 @ 50MHz      | 10,5,2        | 80 @ 500MHz  | 1400              | 0.61              | 500              |
| R56             | 560 @ 25MHz     | 10,5,2        | 40 @ 100MHz  | 400               | 1.33              | 400              |

## Type 3650 Series

### Characteristics - Electrical

#### Type 36521J Series - 0603 Package - High Current

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min. | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | Colour Code |
|-----------------|-----------------|---------------|--------|-------------------|-------------------|------------------|-------------|
| 1N6             | 1.6 @ 250MHz    | 10,5          | 24     | 12500             | 0.030             | 2400             | Black       |
| 3N6             | 3.6 @ 250MHz    | 10,5          | 24     | 5900              | 0.048             | 2300             | Brown       |
| 3N9             | 3.9 @ 250MHz    | 10,5          | 25     | 5900              | 0.054             | 2200             | Red         |
| 6N8             | 6.8 @ 250MHz    | 10,5          | 35     | 5800              | 0.054             | 2100             | Orange      |
| 7N5             | 7.5 @ 250MHz    | 10,5          | 35     | 3700              | 0.059             | 2100             | Yellow      |
| 10N             | 10 @ 250MHz     | 10,5,2        | 38     | 3700              | 0.071             | 2000             | Green       |
| 12N             | 12 @ 250MHz     | 10,5,2        | 38     | 3000              | 0.075             | 2000             | Blue        |
| 15N             | 15 @ 250MHz     | 10,5,2        | 38     | 2800              | 0.080             | 1900             | Violet      |
| 18N             | 18 @ 250MHz     | 10,5,2        | 40     | 2800              | 0.099             | 1900             | Grey        |
| 22N             | 22 @ 250MHz     | 10,5,2        | 42     | 2400              | 0.099             | 1800             | White       |
| 24N             | 24 @ 250MHz     | 10,5,2        | 42     | 2400              | 0.105             | 1800             | Black       |

### Characteristics - Electrical

#### Type 36532A Series - 0805 Package - High Q

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) | Colour Code |
|-----------------|-----------------|---------------|--------------|-------------------|-------------------|------------------|-------------|
| 2N5             | 2.5 @ 250MHz    | 10,5          | 80 @ 1500MHz | 6000              | 0.020             | 1600             | Black       |
| 5N6             | 5.6 @ 250MHz    | 10,5          | 98 @ 1500MHz | 6000              | 0.035             | 1600             | Brown       |
| 6N2             | 6.2 @ 250MHz    | 10,5          | 88 @ 1000MHz | 4750              | 0.035             | 1600             | Red         |
| 6N8             | 6.8 @ 250MHz    | 10,5          | 80 @ 1000MHz | 4400              | 0.035             | 1600             | White       |
| 8N2             | 8.2 @ 250MHz    | 10,5          | 75 @ 1000MHz | 3000              | 0.075             | 1000             | Grey        |
| 12N             | 12 @ 250MHz     | 10,5          | 80 @ 1000MHz | 3000              | 0.045             | 1600             | Orange      |
| 16N             | 16 @ 250MHz     | 10,5,2        | 72 @ 500MHz  | 2950              | 0.060             | 1500             | Yellow      |
| 18N             | 18 @ 250MHz     | 10,5,2        | 75 @ 500MHz  | 2550              | 0.060             | 1400             | Green       |
| 20N             | 20 @ 250MHz     | 10,5,2        | 70 @ 500MHz  | 2050              | 0.055             | 1400             | Blue        |
| 27N             | 27 @ 250MHz     | 10,5,2        | 75 @ 500MHz  | 2000              | 0.070             | 1300             | Violet      |
| 30N             | 30 @ 250MHz     | 10,5,2        | 65 @ 500MHz  | 1950              | 0.095             | 1200             | Grey        |
| 39N             | 39 @ 250MHz     | 10,5,2        | 65 @ 500MHz  | 1600              | 0.110             | 1100             | White       |
| 48N             | 48 @ 200MHz     | 10,5,2        | 65 @ 500MHz  | 1400              | 0.095             | 1200             | Black       |
| 51N             | 51 @ 200MHz     | 10,5,2        | 65 @ 500MHz  | 1400              | 0.120             | 1000             | Brown       |

### Characteristics - Electrical

#### Type 36532C Series - 1008 Package - High Q

| Inductance Code | Inductance (nH) | Tolerance (%) | Q Min.       | S.R.F. Min. (MHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) |
|-----------------|-----------------|---------------|--------------|-------------------|-------------------|------------------|
| 3N0             | 3.0 @ 50MHz     | 10,5          | 70 @ 1500MHz | 6000              | 0.04              | 1600             |
| 4N1             | 4.1 @ 50MHz     | 10,5          | 75 @ 1500MHz | 6000              | 0.05              | 1600             |
| 7N8             | 7.8 @ 50MHz     | 10,5          | 75 @ 500MHz  | 3800              | 0.05              | 1600             |
| 10N             | 10 @ 50MHz      | 10,5,2        | 60 @ 500MHz  | 3600              | 0.06              | 1600             |
| 12N             | 12 @ 50MHz      | 10,5,2        | 70 @ 500MHz  | 2800              | 0.06              | 1500             |
| 18N             | 18 @ 50MHz      | 10,5,2        | 62 @ 350MHz  | 2700              | 0.07              | 1400             |
| 22N             | 22 @ 50MHz      | 10,5,2        | 62 @ 350MHz  | 2050              | 0.07              | 1400             |
| 33N             | 33 @ 50MHz      | 10,5,2        | 75 @ 350MHz  | 1700              | 0.09              | 1300             |
| 39N             | 39 @ 50MHz      | 10,5,2        | 75 @ 350MHz  | 1300              | 0.09              | 1300             |
| 47N             | 47 @ 50MHz      | 10,5,2        | 75 @ 350MHz  | 1450              | 0.12              | 1200             |
| 56N             | 56 @ 50MHz      | 10,5,2        | 75 @ 350MHz  | 1230              | 0.12              | 1200             |
| 68N             | 68 @ 50MHz      | 10,5,2        | 80 @ 350MHz  | 1150              | 0.13              | 1100             |
| 82N             | 82 @ 50MHz      | 10,5,2        | 80 @ 350MHz  | 1060              | 0.16              | 1100             |
| R10             | 100 @ 50MHz     | 10,5,2        | 62 @ 350MHz  | 820               | 0.16              | 1000             |

## Type 3650 Series

### Characteristics - Electrical

#### Type 36541E Series - 0402 Package - High SRF

| Inductance Code | Inductance (nH) @ 250 MHz | Tolerance (% or nH)       | S.R.F. Min. (GHz) | R.D.C. Max (Ohms) | I.D.C. Max. (mA) |
|-----------------|---------------------------|---------------------------|-------------------|-------------------|------------------|
| 1N0             | 1.0                       | ±0.2nH, ±0.5nH, ±5%, ±10% | 16.0              | 0.030             | 2300             |
| 2N0             | 2.0                       | ±0.2nH, ±0.5nH, ±5%, ±10% | 15.2              | 0.038             | 2100             |
| 2N2             | 2.2                       | ±0.2nH, ±0.5nH, ±5%, ±10% | 15.1              | 0.038             | 2100             |
| 2N4             | 2.4                       | ±0.2nH, ±0.5nH, ±5%, ±10% | 14.0              | 0.042             | 2000             |
| 2N7             | 2.7                       | ±0.2nH, ±0.5nH, ±5%±10%   | 13.0              | 0.056             | 1500             |
| 3N3             | 3.3                       | ±0.5nH, ±3%, ±5%±10%      | 12.8              | 0.045             | 1700             |
| 3N6             | 3.6                       | ±0.5nH, ±3%, ±5%±10%      | 11.7              | 0.045             | 1700             |
| 3N9             | 3.9                       | ±0.5nH, ±3%, ±5%±10%      | 9.5               | 0.045             | 1700             |
| 4N3             | 4.3                       | ±0.5nH, ±3%, ±5%±10%      | 7.15              | 0.045             | 1600             |
| 4N7             | 4.7                       | ±0.5nH, ±3%, ±5%±10%      | 6.85              | 0.060             | 1500             |
| 5N1             | 5.1                       | ±2%, ±3%, ±5%, ±10%       | 6.8               | 0.100             | 1200             |
| 5N6             | 5.6                       | ±2%, ±3%, ±5%, ±10%       | 6.5               | 0.048             | 1600             |
| 6N2             | 6.2                       | ±2%, ±3%, ±5%, ±10%       | 5.8               | 0.050             | 1600             |
| 6N8             | 6.8                       | ±2%, ±3%, ±5%, ±10%       | 5.8               | 0.055             | 1500             |
| 7N5             | 7.5                       | ±2%, ±3%, ±5%, ±10%       | 5.4               | 0.080             | 1400             |
| 8N2             | 8.2                       | ±2%, ±3%, ±5%, ±10%       | 5.4               | 0.058             | 1500             |
| 8N7             | 8.7                       | ±2%, ±3%, ±5%, ±10%       | 5.0               | 0.058             | 1500             |
| 9N0             | 9.0                       | ±2%, ±3%, ±5%, ±10%       | 5.0               | 0.080             | 1400             |
| 9N5             | 9.5                       | ±2%, ±3%, ±5%, ±10%       | 4.7               | 0.080             | 1400             |
| 10N             | 10                        | ±2%, ±3%, ±5%, ±10%       | 4.7               | 0.085             | 1300             |
| 11N             | 11                        | ±2%, ±3%, ±5%, ±10%       | 4.7               | 0.065             | 1400             |
| 12N             | 12                        | ±2%, ±3%, ±5%, ±10%       | 4.4               | 0.090             | 1200             |
| 13N             | 13                        | ±2%, ±3%, ±5%, ±10%       | 4.2               | 0.140             | 870              |
| 15N             | 15                        | ±2%, ±3%, ±5%, ±10%       | 3.9               | 0.110             | 1100             |
| 16N             | 16                        | ±2%, ±3%, ±5%, ±10%       | 3.7               | 0.130             | 850              |
| 18N             | 18                        | ±2%, ±3%, ±5%, ±10%       | 3.55              | 0.120             | 900              |
| 19N             | 19                        | ±2%, ±3%, ±5%, ±10%       | 3.5               | 0.145             | 850              |
| 20N             | 20                        | ±2%, ±3%, ±5%, ±10%       | 3.5               | 0.185             | 780              |
| 21N             | 21                        | ±2%, ±3%, ±5%, ±10%       | 1.7               | 0.460             | 450              |
| 22N             | 22                        | ±2%, ±3%, ±5%, ±10%       | 3.3               | 0.160             | 800              |
| 23N             | 23                        | ±2%, ±3%, ±5%, ±10%       | 3.3               | 0.160             | 800              |
| 24N             | 24                        | ±2%, ±3%, ±5%, ±10%       | 3.15              | 0.190             | 700              |
| 25N             | 25                        | ±2%, ±3%, ±5%, ±10%       | 3.15              | 0.230             | 600              |
| 26N             | 26                        | ±2%, ±3%, ±5%, ±10%       | 3.15              | 0.275             | 450              |
| 27N             | 27                        | ±2%, ±3%, ±5%, ±10%       | 3.2               | 0.275             | 450              |
| 30N             | 30                        | ±2%, ±3%, ±5%, ±10%       | 2.9               | 0.330             | 450              |
| 33N             | 33                        | ±2%, ±3%, ±5%, ±10%       | 2.8               | 0.330             | 490              |
| 36N             | 36                        | ±2%, ±3%, ±5%, ±10%       | 2.8               | 0.360             | 480              |
| 37N             | 37                        | ±2%, ±3%, ±5%, ±10%       | 2.7               | 0.480             | 470              |
| 39N             | 39                        | ±2%, ±3%, ±5%, ±10%       | 2.6               | 0.430             | 450              |
| 40N             | 40                        | ±2%, ±3%, ±5%, ±10%       | 2.6               | 0.430             | 450              |
| 43N             | 43                        | ±2%, ±3%, ±5%, ±10%       | 2.5               | 0.520             | 450              |
| 47N             | 47                        | ±2%, ±3%, ±5%, ±10%       | 2.4               | 0.580             | 420              |
| 51N             | 51                        | ±2%, ±3%, ±5%, ±10%       | 2.3               | 0.700             | 360              |

## Type 3650 Series

### Environmental Characteristics - Mechanical Performance

| Item                                   | Specification                                                                         | Test Method                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Vibration Test:</b>                 | Appearance: No damage<br>$\Delta L \leq \pm 5\%$<br>$\Delta Q \leq \pm 10\%$          | Test device shall be soldered on the substrate<br>Oscillation Frequency: 10 to 55 to 10Hz for 1min<br>Amplitude: 1.5mm<br>Time: 2hrs for each axis (X, Y & Z), total 6hrs                                                                                                                                      |
| <b>Resistance to Soldering Heat:</b>   |                                                                                       | Solder Temperature: $260 \pm 5^\circ\text{C}$<br>Immersion Time: $10 \pm 2\text{sec}$                                                                                                                                                                                                                          |
| <b>Component Adhesion: (Push Test)</b> | 1 lbs. For 0402<br>2 lbs. For 0603<br>3 lbs. For the rest                             | The device should be REFLOW soldered ( $230 \pm 5^\circ\text{C}$ for 10 seconds) to a tinned copper substrate. A dynamiter force gauge should be applied to the side of the component. The device must with stand a minimum force of 2 or 4 pounds without a failure of the termination attached to component. |
| <b>Drop Test:</b>                      | After test, there shall be no evidence of electrical or mechanical damage             | Drop once for each face and once for each corner. Total drop 10 Times.<br>Drop height :100cm<br>Drop weight:125g                                                                                                                                                                                               |
| <b>Solderability Test:</b>             | The terminal should at least be 90% covered with solder.                              | After fluxing (alpha 100 or equiv), inductor shall be dipped in a melted solder bath at $260 \pm 5^\circ\text{C}$ for 5 seconds.                                                                                                                                                                               |
| <b>Resistance to Solvent Test:</b>     | There shall be no case of deformation change in appearance or obliteration of marking | MIL-STD202F,METHOD 215D                                                                                                                                                                                                                                                                                        |

### Electrical Performance

| Item                                      | Specification                                                               | Test Method                                                                     |
|-------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Inductance:</b>                        |                                                                             | HP4291B                                                                         |
| <b>Q:</b>                                 |                                                                             | HP4291B                                                                         |
| <b>SRF:</b>                               | REFER to Standard Electrical Characteristic List                            | HP8753D                                                                         |
| <b>DC Resistance <math>R_{dc}</math>:</b> |                                                                             | Micro-Ohmmeter (Gom-801G)                                                       |
| <b>Rated Current IDC:</b>                 |                                                                             | Applied the current to coils, $\Delta L < 10\%$                                 |
| <b>Overload Test:</b>                     | After test, there shall be no evidence of electrical and mechanical damage  | Applied 2 times rated current for 5 minutes                                     |
| <b>Withstanding Voltage Test:</b>         | After test, there shall be no evidence of electrical and mechanical damage. | Ac voltage of 500 VAC applied between inductors terminal and case for 1 minute. |
| <b>Insulation Resistance Test:</b>        | 1000M OHM MIN.                                                              | 100 VDC applied between inductor terminal and case                              |

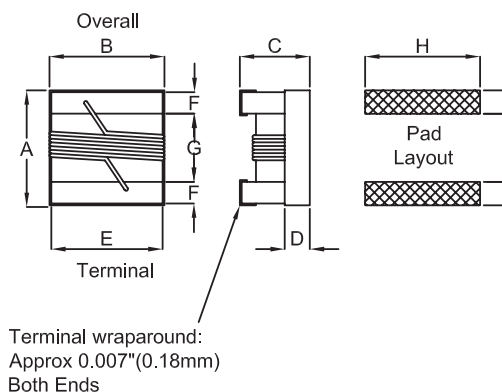
## Type 3650 Series

### Climatic Test

| Item                       | Specification                                                                 | Test Method                                                                                                                                                                                                                                                                                            |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
|----------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|------------|---|-------|----|---|------|----|---|------|----|---|------|----|
| Operating Temp. Range:     |                                                                               | -40°C to +125°C                                                                                                                                                                                                                                                                                        |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| Humidity Resistance:       |                                                                               | Temperature: 40±2°C<br>Relative Humidity: 90~95%<br>Time: 96hrs±2hrs<br>Measured after exposure in the room condition for 2hrs                                                                                                                                                                         |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| Low Temp. Storage Test:    |                                                                               | Temperature: -40±2°C<br>Time: 48±2hrs<br>Inductors are to be tested after 1 hour at room temperature                                                                                                                                                                                                   |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| Thermal Shock Test:        | Appearance: No damage<br>$\Delta L \leq \pm 10\%$<br>$\Delta Q \leq \pm 20\%$ | One Cycle:<br><table> <tr> <th>Step</th><th>Temperature(°C)</th><th>Time (min)</th></tr> <tr> <td>1</td><td>-25±3</td><td>30</td></tr> <tr> <td>2</td><td>25±2</td><td>15</td></tr> <tr> <td>3</td><td>85±3</td><td>30</td></tr> <tr> <td>4</td><td>25±2</td><td>15</td></tr> </table> Total: 5 Cycles | Step | Temperature(°C) | Time (min) | 1 | -25±3 | 30 | 2 | 25±2 | 15 | 3 | 85±3 | 30 | 4 | 25±2 | 15 |
| Step                       | Temperature(°C)                                                               | Time (min)                                                                                                                                                                                                                                                                                             |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| 1                          | -25±3                                                                         | 30                                                                                                                                                                                                                                                                                                     |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| 2                          | 25±2                                                                          | 15                                                                                                                                                                                                                                                                                                     |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| 3                          | 85±3                                                                          | 30                                                                                                                                                                                                                                                                                                     |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| 4                          | 25±2                                                                          | 15                                                                                                                                                                                                                                                                                                     |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| High Temp. Storage Test:   |                                                                               | Temperature: 125±2°C<br>Time: 48±2hrs<br>Measured after 1 hour at room temperature                                                                                                                                                                                                                     |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| High Temp. Load Life Test: |                                                                               | Temperature: 85±2°C<br>Time: 1000±12hrs<br>Load: Rated current                                                                                                                                                                                                                                         |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |
| Humidity Load Life:        | There should be no evidence of short or open circuit.                         | Temperature: 40±2°C<br>Relative Humidity: 90~95%<br>Time: 1000±12hrs<br>Load: Rated current                                                                                                                                                                                                            |      |                 |            |   |       |    |   |      |    |   |      |    |   |      |    |

\* Storage Temperature: 25±3°C, <80%RH

### Dimensions



### Type 3650 Series

| Series | A<br>Max. | B<br>Max. | C<br>Max. | D<br>Ref. | E    | F    | G    | H    | I    | J    |
|--------|-----------|-----------|-----------|-----------|------|------|------|------|------|------|
| 36502C | 2.92      | 2.79      | 2.10      | 0.51      | 2.03 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 |
| 36502A | 2.29      | 1.73      | 1.52      | 0.51      | 1.27 | 0.51 | 1.02 | 1.78 | 1.02 | 0.76 |
| 36501J | 1.80      | 1.12      | 1.02      | 0.38      | 0.76 | 0.33 | 0.86 | 1.02 | 0.64 | 0.64 |
| 36501E | 1.27      | 0.76      | 0.61      | 0.15      | 0.51 | 0.23 | 0.56 | 0.66 | 0.50 | 0.46 |

### Type 3651 Series

| Series | A<br>Max. | B<br>Max. | C<br>Max. | D<br>Ref. | E    | F    | G    | H    | I    | J    |
|--------|-----------|-----------|-----------|-----------|------|------|------|------|------|------|
| 36512C | 2.92      | 2.79      | 1.40      | 0.65      | 2.03 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 |
| 36512A | 2.29      | 1.73      | 1.03      | 0.51      | 1.27 | 0.44 | 1.02 | 1.78 | 1.02 | 0.76 |

### Type 3652 / 3653 / 3654 Series

| Series | A<br>Max. | B<br>Max. | C<br>Max. | D<br>Ref. | E    | F    | G    | H    | I    | J    |
|--------|-----------|-----------|-----------|-----------|------|------|------|------|------|------|
| 36532C | 2.92      | 2.79      | 2.03      | 0.65      | 2.03 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 |
| 36532A | 2.29      | 1.73      | 1.52      | 0.51      | 1.27 | 0.44 | 1.02 | 1.78 | 1.02 | 0.76 |
| 36521J | 1.80      | 1.12      | 1.02      | 0.38      | 0.76 | 0.33 | 0.86 | 1.02 | 0.64 | 0.64 |
| 36541E | 1.15      | 0.70      | 0.60      | —         | 0.45 | 0.20 | 0.60 | 0.65 | 0.35 | 0.50 |

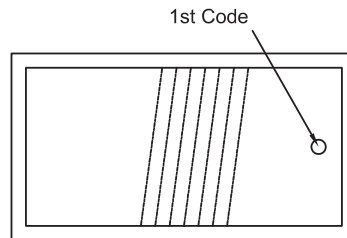
## Type 3650 Series

### Colour Coding

#### 0603 / 0805/1008 Series (0402 Series has no Colour Coding)

Because of their small size, these parts are marked with a single colour dot.

The inductance value represented by the dot is shown on the data page for each series.



### How to Order

| 3650                                                                                        | 1E                                                                               | R10                                    | J                                                                  | TDG                                                    |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------|
| Common Part                                                                                 | Case Size                                                                        | Inductance Value                       | Tolerance                                                          | Packaging                                              |
| 3650 - Std<br>3651 - Low Profile<br>3652 - High Current<br>3653 - High Q<br>3654 - High SRF | 1E – 0402 Package<br>1J – 0603 Package<br>2A – 0805 Package<br>2C – 1008 Package | See relevant table for Inductance Code | G - $\pm 2\%$<br>J - $\pm 5\%$<br>K - $\pm 10\%$<br>M - $\pm 20\%$ | TDG - 2000 pcs/reel<br>TE - 4000pcs/reel (1E, 1J only) |

### Type 3650 Series Lab Kits

TE Connectivity are pleased to announce that our successful 3650 Series Low inductance, high frequency Chip Inductors are now also available in laboratory kits.

With four kits available, one for each chip size, each carrying an extensive selection of values, we are sure that the 3650 Lab Kits will become an essential part of your engineering office.



## Type 3650 Series

### 0402 Lab Kit

| Val<br>nH | Tol. | Qty | Product<br>Number | Description               |
|-----------|------|-----|-------------------|---------------------------|
| 1.0       | 5%   | 50  | 36501E1N0KTDG     | 3650 0402 1.0nH 10% 2K RL |
| 1.9       | 5%   | 50  | 36501E1N9JTDG     | 3650 0402 1.9nH 5% 2K RL  |
| 2.0       | 5%   | 50  | 36501E2N0JTDG     | 3650 0402 2.0nH 5% 2K RL  |
| 2.2       | 5%   | 50  | 36501E2N2JTDG     | 3650 0402 2.2nH 5% 2K RL  |
| 2.4       | 5%   | 50  | 36501E2N4JTDG     | 3650 0402 2.4nH 5% 2K RL  |
| 2.7       | 5%   | 50  | 36501E2N7JTDG     | 3650 0402 2.7nH 5% 2K RL  |
| 3.3       | 5%   | 50  | 36501E3N3JTDG     | 3650 0402 3.3nH 5% 2K RL  |
| 3.6       | 5%   | 50  | 36501E3N6JTDG     | 3650 0402 3.6nH 5% 2K RL  |
| 3.9       | 5%   | 50  | 36501E3N9JTDG     | 3650 0402 3.9nH 5% 2K RL  |
| 4.3       | 5%   | 50  | 36501E4N3JTDG     | 3650 0402 4.3nH 5% 2K RL  |
| 4.7       | 5%   | 50  | 36501E4N7JTDG     | 3650 0402 4.7nH 5% 2K RL  |
| 5.1       | 5%   | 50  | 36501E5N1JTDG     | 3650 0402 5.1nH 5% 2K RL  |
| 5.6       | 5%   | 50  | 36501E5N6JTDG     | 3650 0402 5.6nH 5% 2K RL  |
| 6.2       | 5%   | 50  | 36501E6N2JTDG     | 3650 0402 6.2nH 5% 2K RL  |
| 6.8       | 5%   | 50  | 36501E6N8JTDG     | 3650 0402 6.8nH 5% 2K RL  |
| 7.5       | 5%   | 50  | 36501E7N5JTDG     | 3650 0402 7.5nH 5% 2K RL  |
| 8.2       | 5%   | 50  | 36501E8N2JTDG     | 3650 0402 8.2nH 5% 2K RL  |
| 8.7       | 5%   | 50  | 36501E8N7JTDG     | 3650 0402 8.7nH 5% 2K RL  |
| 9.0       | 5%   | 50  | 36501E9N0JTDG     | 3650 0402 9.0nH 5% 2K RL  |
| 9.5       | 5%   | 50  | 36501E9N5JTDG     | 3650 0402 9.5nH 5% 2K RL  |
| 10        | 5%   | 50  | 36501E10NJTDG     | 3650 0402 10nH 5% 2K RL   |
| 11        | 5%   | 50  | 36501E11NJTDG     | 3650 0402 11nH 5% 2K RL   |
| 12        | 5%   | 50  | 36501E12NJTDG     | 3650 0402 12nH 5% 2K RL   |
| 13        | 5%   | 50  | 36501E13NJTDG     | 3650 0402 13nH 5% 2K RL   |
| 15        | 5%   | 50  | 36501E15NJTDG     | 3650 0402 15nH 5% 2K RL   |
| 16        | 5%   | 50  | 36501E16NJTDG     | 3650 0402 16nH 5% 2K RL   |
| 18        | 5%   | 50  | 36501E18NJTDG     | 3650 0402 18nH 5% 2K RL   |
| 19        | 5%   | 50  | 36501E19NJTDG     | 3650 0402 19nH 5% 2K RL   |
| 20        | 5%   | 50  | 36501E20NJTDG     | 3650 0402 20nH 5% 2K RL   |
| 22        | 5%   | 50  | 36501E22NJTDG     | 3650 0402 22nH 5% 2K RL   |
| 23        | 5%   | 50  | 36501E23NJTDG     | 3650 0402 23nH 5% 2K RL   |
| 24        | 5%   | 50  | 36501E24NJTDG     | 3650 0402 24nH 5% 2K RL   |
| 27        | 5%   | 50  | 36501E27NJTDG     | 3650 0402 27nH 5% 2K RL   |
| 30        | 5%   | 50  | 36501E30NJTDG     | 3650 0402 30nH 5% 2K RL   |
| 33        | 5%   | 50  | 36501E33NJTDG     | 3650 0402 33nH 5% 2K RL   |
| 36        | 5%   | 50  | 36501E36NJTDG     | 3650 0402 36nH 5% 2K RL   |
| 39        | 5%   | 50  | 36501E39NJTDG     | 3650 0402 39nH 5% 2K RL   |
| 40        | 5%   | 50  | 36501E40NJTDG     | 3650 0402 40nH 5% 2K RL   |
| 43        | 5%   | 50  | 36501E43NJTDG     | 3650 0402 43nH 5% 2K RL   |
| 47        | 5%   | 50  | 36501E47NJTDG     | 3650 0402 47nH 5% 2K RL   |
| 51        | 5%   | 50  | 36501E51NJTDG     | 3650 0402 51nH 5% 2K RL   |
| 56        | 5%   | 50  | 36501E56NJTDG     | 3650 0402 56nH 5% 2K RL   |
| 68        | 5%   | 50  | 36501E68NJTDG     | 3650 0402 68nH 5% 2K RL   |

### 0603 Lab Kit

| Val<br>nH | Tol. | Qty | Product<br>Number | Description               |
|-----------|------|-----|-------------------|---------------------------|
| 1.6       | 5%   | 50  | 36501J1N6JTDG     | 3650 0603 1.6nH 5% 2K RL  |
| 1.8       | 5%   | 50  | 36501J1N8JTDG     | 3650 0603 1.8nH 5% 2K RL  |
| 2.2       | 5%   | 50  | 36501J2N2JTDG     | 3650 0603 2.2nH 5% 2K RL  |
| 3.3       | 5%   | 50  | 36501J3N3JTDG     | 3650 0603 3.3nH 5% 2K RL  |
| 3.6       | 5%   | 50  | 36501J3N6JTDG     | 3650 0603 3.6nH 5% 2K RL  |
| 3.9       | 5%   | 50  | 36501J3N9JTDG     | 3650 0603 3.9nH 5% 2K RL  |
| 4.3       | 5%   | 50  | 36501J4N3JTDG     | 3650 0603 4.3nH 5% 2K RL  |
| 4.7       | 5%   | 50  | 36501J4N7JTDG     | 3650 0603 4.7nH 5% 2K RL  |
| 5.1       | 5%   | 50  | 36501J5N1JTDG     | 3650 0603 5.1nH 5% 2K RL  |
| 5.6       | 5%   | 50  | 36501J5N6JTDG     | 3650 0603 5.6nH 5% 2K RL  |
| 6.8       | 5%   | 50  | 36501J6N8JTDG     | 3650 0603 6.8nH 5% 2K RL  |
| 7.5       | 5%   | 50  | 36501J7N5JTDG     | 3650 0603 7.5nH 5% 2K RL  |
| 8.2       | 5%   | 50  | 36501J8N2JTDG     | 3650 0603 8.2nH 5% 2K RL  |
| 8.7       | 5%   | 50  | 36501J8N7JTDG     | 3650 0603 8.7nH 5% 2K RL  |
| 9.5       | 5%   | 50  | 36501J9N5JTDG     | 3650 0603 9.5nH 5% 2K RL  |
| 10        | 5%   | 50  | 36501J010JTDG     | 3650 0603 10nH 5% 2K RL   |
| 11        | 5%   | 50  | 36501J11NJTDG     | 3650 0603 11nH 5% 2K RL   |
| 12        | 5%   | 50  | 36501J012JTDG     | 3650 0603 12nH 5% 2K RL   |
| 15        | 5%   | 50  | 36501J15NJTDG     | 3650 0603 15nH 5% 2K RL   |
| 16        | 5%   | 50  | 36501J16NJTDG     | 3650 0603 16nH 5% 2K RL   |
| 18        | 5%   | 50  | 36501J18NJTDG     | 3650 0603 18nH 5% 2K RL   |
| 22        | 5%   | 50  | 36501J022JTDG     | 3650 0603 22nH 5% 2K RL   |
| 23        | 5%   | 50  | 36501J23NJTDG     | 3650 0603 23nH 5% 2K RL   |
| 24        | 5%   | 50  | 36501J24NJTDG     | 3650 0603 24nH 5% 2K RL   |
| 27        | 5%   | 50  | 36501J027JTDG     | 3650 0603 27nH 5% 2K RL   |
| 30        | 5%   | 50  | 36501J30NJTDG     | 3650 0603 30nH 5% 2K RL   |
| 33        | 5%   | 50  | 36501J033JTDG     | 3650 0603 33nH 5% 2K RL   |
| 36        | 5%   | 50  | 36501J36NJTDG     | 3650 0603 36nH 5% 2K RL   |
| 39        | 5%   | 50  | 36501J039JTDG     | 3650 0603 39nH 5% 2K RL   |
| 43        | 5%   | 50  | 36501J43NJTDG     | 3650 0603 43nH 5% 2K RL   |
| 47        | 5%   | 50  | 36501J047JTDG     | 3650 0603 47nH 5% 2K RL   |
| 51        | 5%   | 50  | 36501J51NJTDG     | 3650 0603 51nH 5% 2K RL   |
| 56        | 5%   | 50  | 36501J56NJTDG     | 3650 0603 56nH 5% 2K RL   |
| 68        | 5%   | 50  | 36501J068JTDG     | 3650 0603 68nH 5% 2K RL   |
| 72        | 5%   | 50  | 36501J72NJTDG     | 3650 0603 72nH 5% 2K RL   |
| 82        | 5%   | 50  | 36501J82NJTDG     | 3650 0603 82nH 5% 2K RL   |
| 100       | 5%   | 50  | 36501JR10JTDG     | 3650 0603 0.10uH 5% 2K RL |
| 110       | 5%   | 50  | 36501JR11JTDG     | 3650 0603 0.11uH 5% 2K RL |
| 120       | 5%   | 50  | 36501JR12JTDG     | 3650 0603 0.12uH 5% 2K RL |
| 150       | 5%   | 50  | 36501JR15JTDG     | 3650 0603 0.15uH 5% 2K RL |
| 180       | 5%   | 50  | 36501JR18JTDG     | 3650 0603 0.18uH 5% 2K RL |
| 220       | 5%   | 50  | 36501JR22JTDG     | 3650 0603 0.22uH 5% 2K RL |
| 260       | 5%   | 50  | 36501JR26JTDG     | 3650 0603 0.26uH 5% 2K RL |
| 270       | 5%   | 50  | 36501JR27JTDG     | 3650 0603 0.27uH 5% 2K RL |
| 330       | 5%   | 50  | 36501JR33JTDG     | 3650 0603 0.33uH 5% 2K RL |
| 390       | 5%   | 50  | 36501JR39JTDG     | 3650 0603 0.39uH 5% 2K RL |

## Type 3650 Series

### 0805 Lab Kit

| Val<br>nH | Tol. | Qty | Product<br>Number | Description             |
|-----------|------|-----|-------------------|-------------------------|
| 2.8       | 5%   | 50  | 36502A2N8JTDG     | 3650 2A 2.8nH 5% 2K RL  |
| 3.0       | 5%   | 50  | 36502A3N0JTDG     | 3650 2A 3.0nH 5% 2K RL  |
| 3.3       | 5%   | 50  | 36502A3N3JTDG     | 3650 2A 3.3nH 5% 2K RL  |
| 5.6       | 5%   | 50  | 36502A5N6JTDG     | 3650 2A 5.6nH 5% 2K RL  |
| 6.8       | 5%   | 50  | 36502A6N8JTDG     | 3650 2A 6.8nH 5% 2K RL  |
| 7.5       | 5%   | 50  | 36502A7N5JTDG     | 3650 2A 7.5nH 5% 2K RL  |
| 8.2       | 5%   | 50  | 36502A8N2JTDG     | 3650 2A 8.2nH 5% 2K RL  |
| 8.7       | 5%   | 50  | 36502A8N7JTDG     | 3650 2A 8.7nH 5% 2K RL  |
| 10        | 5%   | 50  | 36502A10NJTDG     | 3650 2A 10nH 5% 2K RL   |
| 12        | 5%   | 50  | 36502A12NJTDG     | 3650 2A 12nH 5% 2K RL   |
| 15        | 5%   | 50  | 36502A15NJTDG     | 3650 2A 15nH 5% 2K RL   |
| 18        | 5%   | 50  | 36502A18NJTDG     | 3650 2A 18nH 5% 2K RL   |
| 22        | 5%   | 50  | 36502A22NJTDG     | 3650 2A 22nH 5% 2K RL   |
| 24        | 5%   | 50  | 36502A24NJTDG     | 3650 2A 24nH 5% 2K RL   |
| 27        | 5%   | 50  | 36502A27NJTDG     | 3650 2A 27nH 5% 2K RL   |
| 33        | 5%   | 50  | 36502A33NJTDG     | 3650 2A 33nH 5% 2K RL   |
| 36        | 5%   | 50  | 36502A36NJTDG     | 3650 2A 36nH 5% 2K RL   |
| 39        | 5%   | 50  | 36502A39NJTDG     | 3650 2A 39nH 5% 2K RL   |
| 43        | 5%   | 50  | 36502A43NJTDG     | 3650 2A 43nH 5% 2K RL   |
| 47        | 5%   | 50  | 36502A47NJTDG     | 3650 2A 47nH 5% 2K RL   |
| 56        | 5%   | 50  | 36502A56NJTDG     | 3650 2A 56nH 5% 2K RL   |
| 68        | 5%   | 50  | 36502A68NJTDG     | 3650 2A 68nH 5% 2K RL   |
| 72        | 5%   | 50  | 36502A72NJTDG     | 3650 2A 72nH 5% 2K RL   |
| 82        | 5%   | 50  | 36502A82NJTDG     | 3650 2A 82nH 5% 2K RL   |
| 91        | 5%   | 50  | 36502A91NJTDG     | 3650 2A 91nH 5% 2K RL   |
| 100       | 5%   | 50  | 36502AR10JTDG     | 3650 2A 0.10uH 5% 2K RL |
| 110       | 5%   | 50  | 36502AR11JTDG     | 3650 2A 0.11uH 5% 2K RL |
| 120       | 5%   | 50  | 36502AR12JTDG     | 3650 2A 0.12uH 5% 2K RL |
| 150       | 5%   | 50  | 36502AR15JTDG     | 3650 2A 0.15uH 5% 2K RL |
| 180       | 5%   | 50  | 36502AR18JTDG     | 3650 2A 0.18uH 5% 2K RL |
| 200       | 5%   | 50  | 36502AR20JTDG     | 3650 2A 0.20uH 5% 2K RL |
| 220       | 5%   | 50  | 36502AR22JTDG     | 3650 2A 0.22uH 5% 2K RL |
| 240       | 5%   | 50  | 36502AR24JTDG     | 3650 2A 0.24uH 5% 2K RL |
| 250       | 5%   | 50  | 36502AR25JTDG     | 3650 2A 0.25uH 5% 2K RL |
| 270       | 5%   | 50  | 36502AR27JTDG     | 3650 2A 0.27uH 5% 2K RL |
| 300       | 5%   | 50  | 36502AR30JTDG     | 3650 2A 0.30uH 5% 2K RL |
| 330       | 5%   | 50  | 36502AR33JTDG     | 3650 2A 0.33uH 5% 2K RL |
| 360       | 5%   | 50  | 36502AR36JTDG     | 3650 2A 0.36uH 5% 2K RL |
| 390       | 5%   | 50  | 36502AR39JTDG     | 3650 2A 0.39uH 5% 2K RL |
| 430       | 5%   | 50  | 36502AR43JTDG     | 3650 2A 0.43uH 5% 2K RL |
| 470       | 5%   | 50  | 36502AR47JTDG     | 3650 2A 0.47uH 5% 2K RL |
| 560       | 5%   | 50  | 36502AR56JTDG     | 3650 2A 0.56uH 5% 2K RL |
| 620       | 5%   | 50  | 36502AR62JTDG     | 3650 2A 0.62uH 5% 2K RL |
| 680       | 5%   | 50  | 36502AR68JTDG     | 3650 2A 0.68uH 5% 2K RL |
| 750       | 5%   | 50  | 36502AR75JTDG     | 3650 2A 0.75uH 5% 2K RL |
| 820       | 5%   | 50  | 36502AR82JTDG     | 3650 2A 0.82uH 5% 2K RL |
| 1000      | 5%   | 50  | 36502A1R0JTDG     | 3650 2A 1.0uH 5% 2K RL  |
| 1200      | 5%   | 50  | 36502A1R2JTDG     | 3650 2A 1.2uH 5% 2K RL  |
| 1500      | 5%   | 50  | 36502A1R5JTDG     | 3650 2A 1.5uH 5% 2K RL  |
| 1800      | 5%   | 50  | 36502A1R8JTDG     | 3650 2A 1.8uH 5% 2K RL  |
| 2200      | 5%   | 50  | 36502A2R2JTDG     | 3650 2A 2.2uH 5% 2K RL  |
| 2700      | 5%   | 50  | 36502A2R7JTDG     | 3650 2A 2.7uH 5% 2K RL  |

### 1008 Lab Kit

| Val<br>nH | Tol. | Qty | Product<br>Number | Description               |
|-----------|------|-----|-------------------|---------------------------|
| 5.6       | 5%   | 50  | 36502C5N6JTDG     | 3650 1008 5.6nH 5% 2K RL  |
| 10        | 5%   | 50  | 36502C10NJTDG     | 3650 1008 10nH 5% 2K RL   |
| 12        | 5%   | 50  | 36502C12NJTDG     | 3650 1008 12nH 5% 2K RL   |
| 15        | 5%   | 50  | 36502C15NJTDG     | 3650 1008 15nH 5% 2K RL   |
| 18        | 5%   | 50  | 36502C18NJTDG     | 3650 1008 18nH 5% 2K RL   |
| 22        | 5%   | 50  | 36502C22NJTDG     | 3650 1008 22nH 5% 2K RL   |
| 24        | 5%   | 50  | 36502C24NJTDG     | 3650 1008 24nH 5% 2K RL   |
| 27        | 5%   | 50  | 36502C27NJTDG     | 3650 1008 27nH 5% 2K RL   |
| 33        | 5%   | 50  | 36502C33NJTDG     | 3650 1008 33nH 5% 2K RL   |
| 39        | 5%   | 50  | 36502C39NJTDG     | 3650 1008 39nH 5% 2K RL   |
| 47        | 5%   | 50  | 36502C47NJTDG     | 3650 1008 47nH 5% 2K RL   |
| 56        | 5%   | 50  | 36502C56NJTDG     | 3650 1008 56nH 5% 2K RL   |
| 62        | 5%   | 50  | 36502C62NJTDG     | 3650 1008 62nH 5% 2K RL   |
| 68        | 5%   | 50  | 36502C68NJTDG     | 3650 1008 68nH 5% 2K RL   |
| 75        | 5%   | 50  | 36502C75NJTDG     | 3650 1008 75nH 5% 2K RL   |
| 82        | 5%   | 50  | 36502C82NJTDG     | 3650 1008 82nH 5% 2K RL   |
| 100       | 5%   | 50  | 36502CR10JTDG     | 3650 1008 0.10uH 5% 2K RL |
| 120       | 5%   | 50  | 36502CR12JTDG     | 3650 1008 0.12uH 5% 2K RL |
| 150       | 5%   | 50  | 36502CR15JTDG     | 3650 1008 0.15uH 5% 2K RL |
| 180       | 5%   | 50  | 36502CR18JTDG     | 3650 1008 0.18uH 5% 2K RL |
| 220       | 5%   | 50  | 36502CR22JTDG     | 3650 1008 0.22uH 5% 2K RL |
| 240       | 5%   | 50  | 36502CR24JTDG     | 3650 1008 0.24uH 5% 2K RL |
| 270       | 5%   | 50  | 36502CR27JTDG     | 3650 1008 0.27uH 5% 2K RL |
| 300       | 5%   | 50  | 36502CR30JTDG     | 3650 1008 0.30uH 5% 2K RL |
| 330       | 5%   | 50  | 36502CR33JTDG     | 3650 1008 0.33uH 5% 2K RL |
| 360       | 5%   | 50  | 36502CR36JTDG     | 3650 1008 0.36uH 5% 2K RL |
| 390       | 5%   | 50  | 36502CR39JTDG     | 3650 1008 0.39uH 5% 2K RL |
| 430       | 5%   | 50  | 36502CR43JTDG     | 3650 1008 0.43uH 5% 2K RL |
| 470       | 5%   | 50  | 36502CR47JTDG     | 3650 1008 0.47uH 5% 2K RL |
| 560       | 5%   | 50  | 36502CR56JTDG     | 3650 1008 0.56uH 5% 2K RL |
| 620       | 5%   | 50  | 36502CR62JTDG     | 3650 1008 0.62uH 5% 2K RL |
| 680       | 5%   | 50  | 36502CR68JTDG     | 3650 1008 0.68uH 5% 2K RL |
| 750       | 5%   | 50  | 36502CR75JTDG     | 3650 1008 0.75uH 5% 2K RL |
| 820       | 5%   | 50  | 36502CR82JTDG     | 3650 1008 0.82uH 5% 2K RL |
| 910       | 5%   | 50  | 36502CR91JTDG     | 3650 1008 0.91uH 5% 2K RL |
| 1000      | 5%   | 50  | 36502C1R0JTDG     | 3650 1008 1.0uH 5% 2K RL  |
| 1200      | 5%   | 50  | 36502C1R2JTDG     | 3650 1008 1.2uH 5% 2K RL  |
| 1500      | 5%   | 50  | 36502C1R5JTDG     | 3650 1008 1.5uH 5% 2K RL  |
| 1800      | 5%   | 50  | 36502C1R8JTDG     | 3650 1008 1.8uH 5% 2K RL  |
| 2200      | 5%   | 50  | 36502C2R2JTDG     | 3650 1008 2.2uH 5% 2K RL  |
| 2700      | 5%   | 50  | 36502C2R7JTDG     | 3650 1008 2.7uH 5% 2K RL  |
| 3300      | 5%   | 50  | 36502C3R3JTDG     | 3650 1008 3.3uH 5% 2K RL  |
| 3900      | 5%   | 50  | 36502C3R9JTDG     | 3650 1008 3.9uH 5% 2K RL  |
| 4700      | 5%   | 50  | 36502C4R7JTDG     | 3650 1008 4.7uH 5% 2K RL  |
| 5600      | 5%   | 50  | 36502C5R6JTDG     | 3650 1008 5.6uH 5% 2K RL  |
| 6800      | 5%   | 50  | 36502C6R8JTDG     | 3650 1008 6.8uH 5% 2K RL  |
| 8200      | 5%   | 50  | 36502C8R2JTDG     | 3650 1008 8.2uH 5% 2K RL  |
| 10000     | 5%   | 50  | 36502C103JTDG     | 3650 1008 10uH 5% 2K RL   |
| 12000     | 5%   | 50  | 36502C123JTDG     | 3650 1008 12uH 5% 2K RL   |
| 15000     | 5%   | 50  | 36502C153JTDG     | 3650 1008 15uH 5% 2K RL   |

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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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