

## 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-Ohmeter (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 border="1"> <thead> <tr> <th>Step</th> <th>Temperature(°C)</th> <th>Time (min)</th> </tr> </thead> <tbody> <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> </tbody> </table> | 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 Max. | B Max. | C Max. | D 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 Max. | B Max. | C Max. | D 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 Max. | B Max. | C Max. | D 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<br>for<br>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<br>(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 nH | Tol. | Qty | Product 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 nH | Tol. | Qty | Product 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 nH | Tol. | Qty | Product 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  | 36502AR1R0JTDG | 3650 2A 1.0uH 5% 2K RL  |
| 1200   | 5%   | 50  | 36502AR1R2JTDG | 3650 2A 1.2uH 5% 2K RL  |
| 1500   | 5%   | 50  | 36502AR1R5JTDG | 3650 2A 1.5uH 5% 2K RL  |
| 1800   | 5%   | 50  | 36502AR1R8JTDG | 3650 2A 1.8uH 5% 2K RL  |
| 2200   | 5%   | 50  | 36502AR2R2JTDG | 3650 2A 2.2uH 5% 2K RL  |
| 2700   | 5%   | 50  | 36502AR2R7JTDG | 3650 2A 2.7uH 5% 2K RL  |

#### 1008 Lab Kit

| Val nH | Tol. | Qty | Product 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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