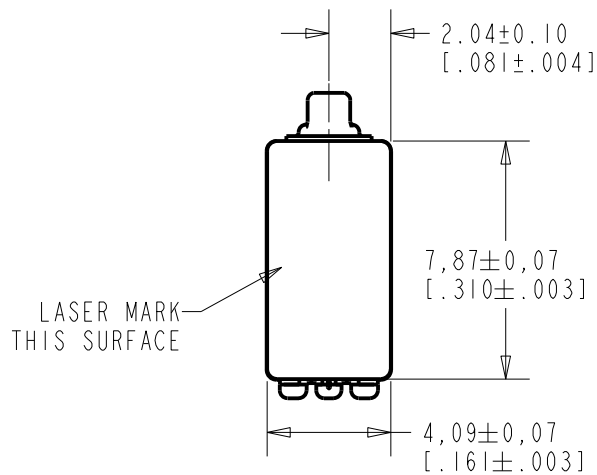


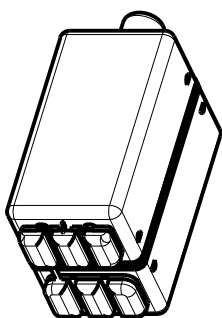
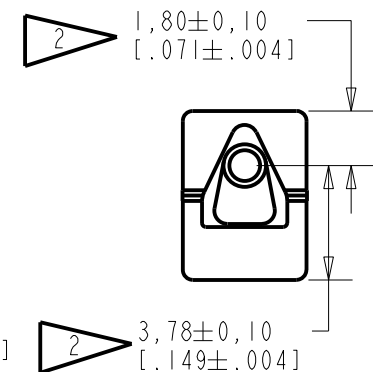
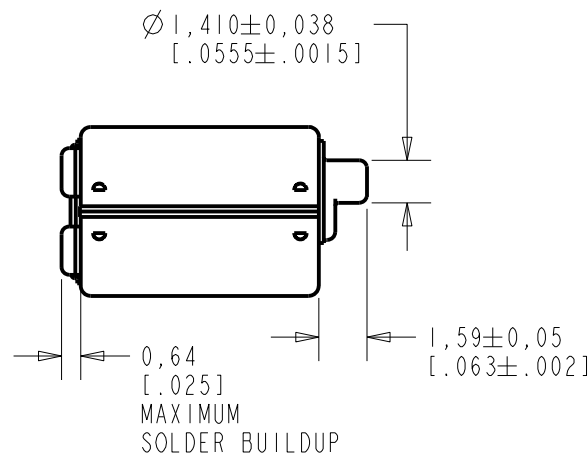
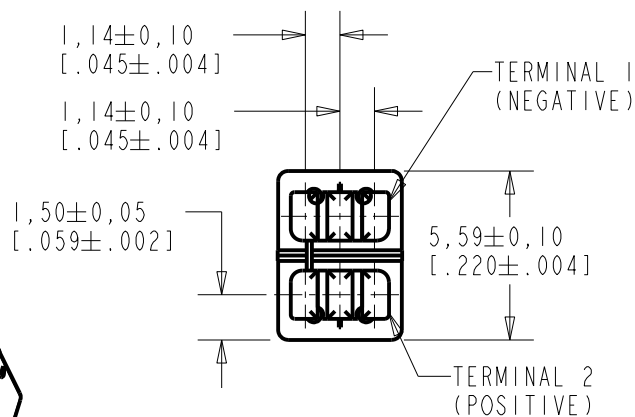
DTEC-31116-000
SHT 1.1



NOTES:

1. A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.

2. LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ±0.17 [.007].



RED CONTROLLED

NOMINAL WEIGHT
.71 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| A | C10111188 | 4-6-10 | Active | A |

| | | | |
|----------------------|-----------------|---------|--------|
| SCALE: | 4:1 | DR. BY | DATE |
| DO NOT SCALE DRAWING | | SDZ | 4-6-10 |
| TITLE: | RECEIVER | CK. BY | DATE |
| | OUTLINE DRAWING | GJP | 4-6-10 |
| | | APP. BY | DATE |
| | | GJP | 4-6-10 |

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DTEC-31116-000
SHT 1.1

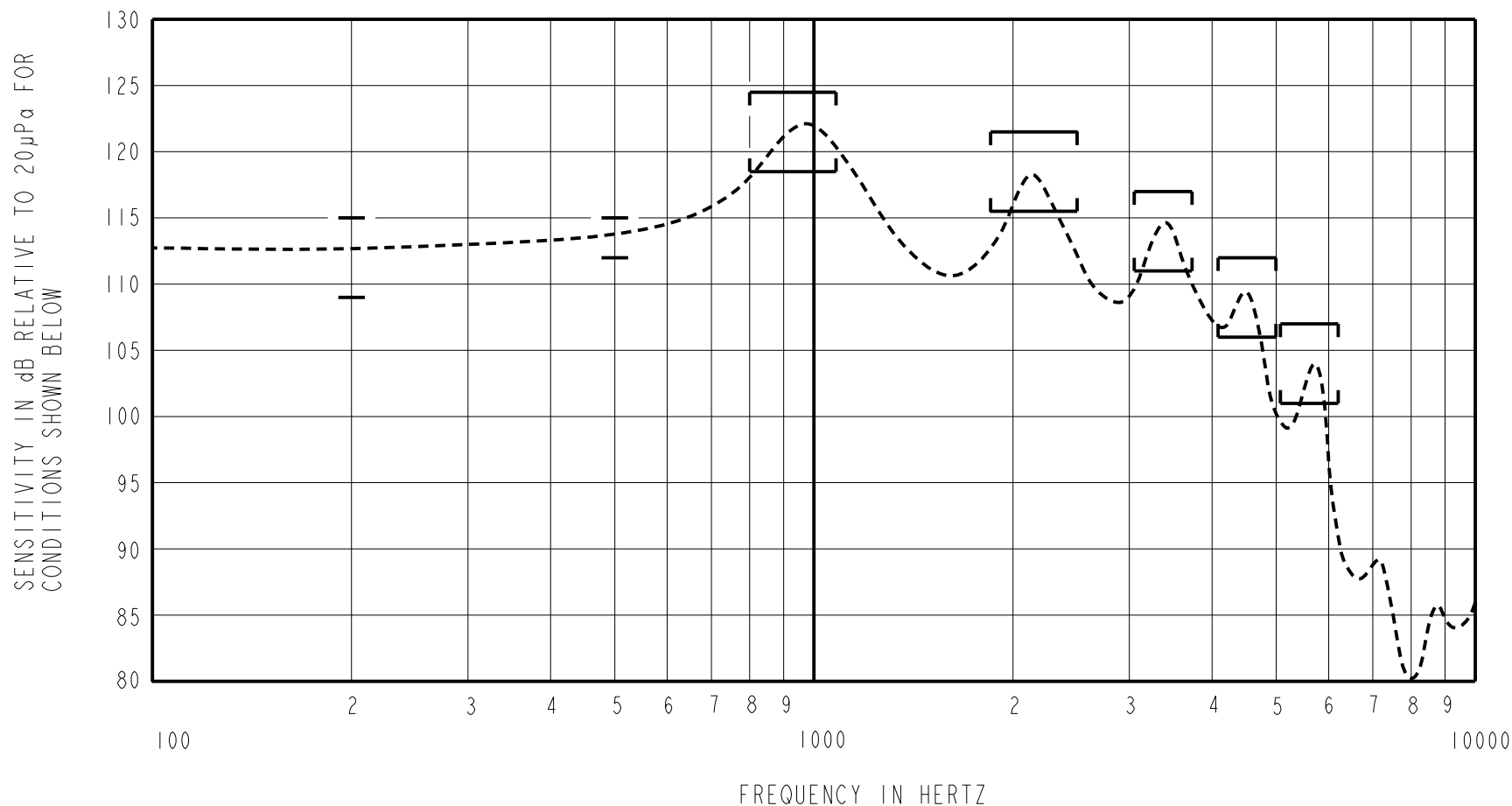
THE DTEC-31116-000 IS A PAIR OF BALANCED ARMATURE RECEIVERS INTENDED FOR USE IN BTE HEARING AIDS. IT HAS A LOW DCR TO IMPEDANCE RATIO, HAS THE CENTER TERMINAL CONNECTED TO CASE AND IS THE SAME SIZE AS AN EF RECEIVER

NO DAMPING

DTEC-31116-000
SHEET 2.1

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.

CONSTANT VOLTAGE DRIVE CONDITIONS



ACOUSTICAL

SENSITIVITY*
DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 500 Hz IS dB RELATIVE TO 20µPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 500 Hz.

| FREQUENCY (Hz) | MINIMUM | NOMINAL | MAXIMUM |
|----------------|---------|---------|---------|
| 200 | -4.5 | -1.5 | +1.5 |
| 500 | -1.5 | +113.5 | +1.5 |
| 800-1080 | +5.0 | +8.0 | +11.0 |
| 1850-2500 | +2.0 | +5.0 | +8.0 |
| 3050-3730 | -2.5 | +0.5 | +3.5 |
| 4085-4995 | -7.5 | -4.5 | -1.5 |
| 5075-6205 | -14.0 | -11.0 | -8.0 |

TABLE 1

TOTAL HARMONIC DISTORTION*
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

| FREQUENCY (Hz) | AC DRIVE (V rms) | DC BIAS (mA) | LIMIT (%) |
|----------------|------------------|--------------|-----------|
| 315 | 0.164 | 0 | 5 |
| 470 | 0.164 | 0 | 5 |
| 470 | 0.328 | 0 | 10 |

TABLE 2

TEST CONDITIONS

| | |
|------------------------|---|
| NOMINAL SOURCE VOLTAGE | 0.164 V rms, TO DELIVER 0.70 mVA AT 500 Hz |
| SOURCE IMPEDANCE | <1 Ohm |
| TUBING | 8mm X 1mm ID + 28mm X 1.5mm ID EAR HOOK SIMULATOR + 25mm X 2mm ID TUBE + 18mm X 3mm ID TUBE |
| COUPLER CAVITY | 2 cm ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5) |

TABLE 3

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| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|--|-----------|---------------------|---------------|----------------|
| A | C10111188 | 4-6-10 | Active | A |
| WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION | | | | DR. BY DATE |
| TITLE: RECEIVER PERFORMANCE SPECIFICATION | | | | SDZ 4-6-10 |
| | | | | DTEC-31116-000 |
| SHT 2.1 | | | | GJP 4-6-10 |
| | | | | APP. BY DATE |
| | | | | GJP 4-6-10 |


DTEC-31116-000

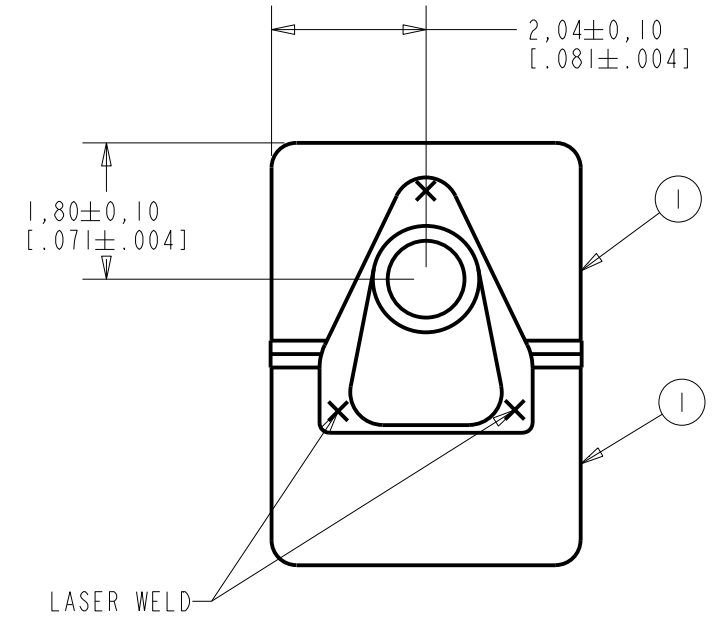
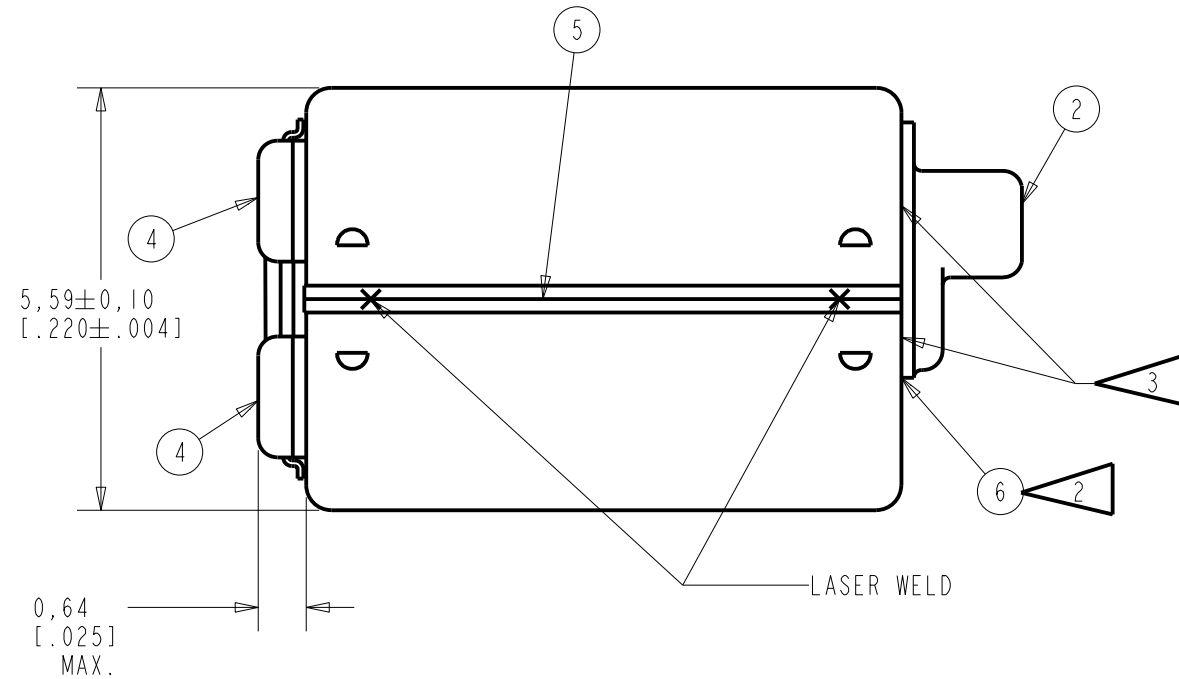
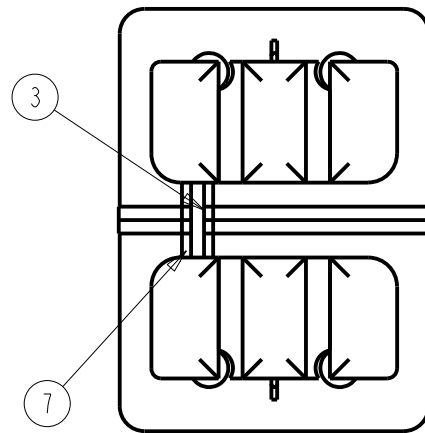
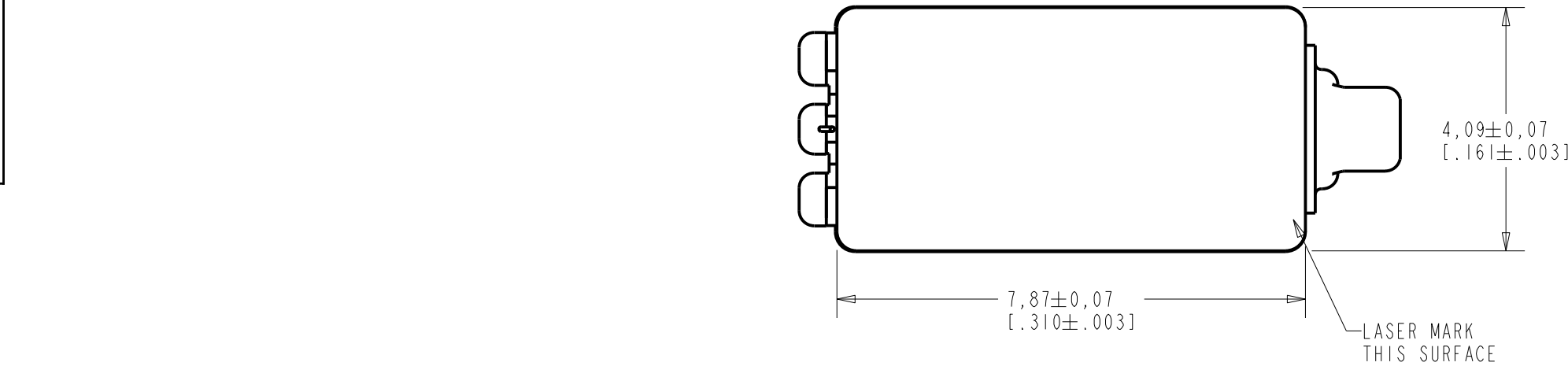
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NOTES:

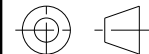
1. ITEM NUMBERS (SHOWN THUS ) CORRESPOND TO ITEM NUMBER ON BILL OF MATERIAL.

 2 AIRTIGHT SEAL ALL AROUND.

 3 0,03 [.001] MAX. GAP ALLOWED BETWEEN ITEMS (1) & (2).



DIMENSIONS IN MILLIMETERS [INCHES]

| | | | | |
|--|------------|---|---|---|
| MATERIAL SEE BILL OF MATERIAL | | FINISH - - - | SCALE: 10:1 | DO NOT SCALE DRAWING |
| REF. NONE | A C1011188 | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES | KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A. | |
| A | | | | |
| <div style="border: 2px solid red; padding: 5px; display: inline-block;">RED CONTROLLED</div> | | THIRD ANGLE PROJECTION | TITLE | DR. BY DATE SDZ 4-6-10 CH. BY DATE GJP 4-6-10 APP. BY DATE GJP 4-6-10 |
| | |  | RECEIVER DUAL | DTEC-31116-000 SHEET 3.1 |

| | | |
|--------------------------------------|--|-----------------------------|
| DTEC-31116-000 | KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A. | DTEC-31116-000 |
| Sheet 4.1 | | Sheet 4.1 |
| Dr. By SDZ Date 4-6-10 | Subject: RECEIVER DUAL | Revision A |
| Ch. GJP 4-6-10 | | |
| App. GJP 4-6-10 | | |

| COL. 1 | 2 | 3 | 4 | Item No. | Line No. |
|------------------|-----------|-------------------|-----------------------------|----------|----------|
| Part or Dwg. no. | Tot. Req. | Nomenclature: | Applicable Specs or Remarks | | |
| TEC-31118-000 | 2 | RECEIVER ASSEMBLY | | 1 | 1 |
| BI-013 | 1 | TUBE | | 2 | 2 |
| 103-074 | A/R | WIRE | | 3 | 3 |
| 285-007-001 | A/R | SOLDER LEAD FREE | | 4 | 4 |
| 13-092-130101 | A/R | CEMENT | | 5 | 5 |
| 13-092-130111E | A/R | CEMENT | | 6 | 6 |
| 13-092-130109 | A/R | CEMENT | | 7 | 7 |

REVISION
 A c.o. C1011188

RED CONTROLLED

DTEC-31116-000
 Sheet 4.1

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REF: 0

PRODUCTION TEST INFORMATION

| | |
|-----------------------------|--------------------|
| SOFTWARE REVISION PXI FCART | SOFTWARE 1.73 MIN. |
| HARDWARE REVISION PXI FCART | KE 1065C.008G MIN. |

RED CONTROLLED

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| A | C10111188 | 4-6-10 | Active | A |

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| | SDZ | 4-6-10 |
| | CK. BY | DATE |
| | GJP | 4-6-10 |
| TITLE: | RECEIVER | DTEC-31116-000 |
| | PERFORMANCE SPECIFICATION | SHT 5.1 |
| | | APP. BY |
| | | DATE |
| | | GJP |
| | | 4-6-10 |

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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«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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