

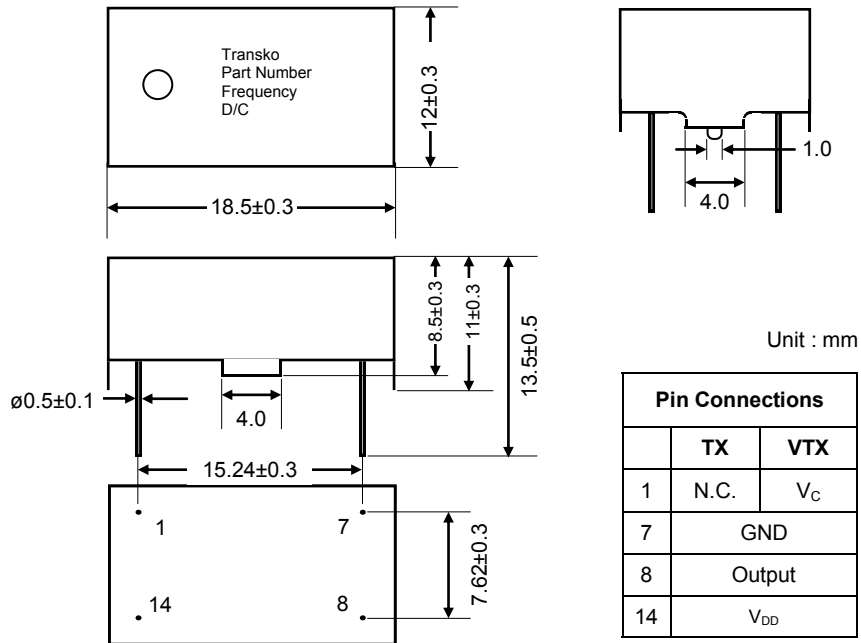
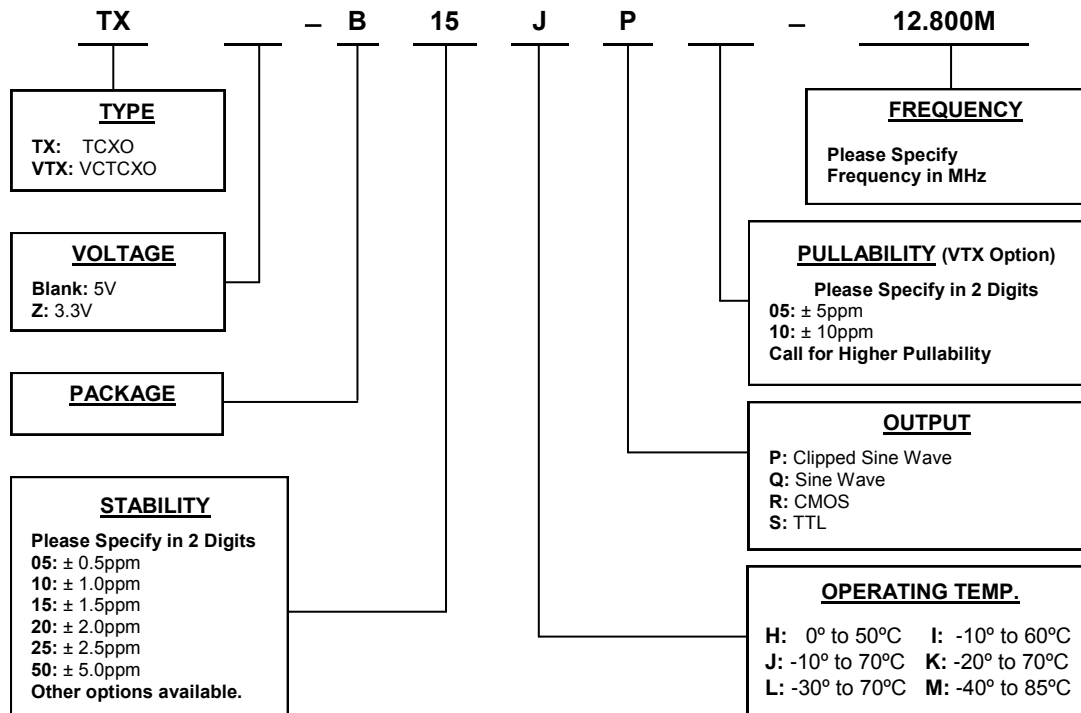
TCXO/VCTCXO THROUGH HOLE (18.5 x 12.0 x 8.5mm)
FEATURES:

- WIDE FREQUENCY RANGES
- TIGHT STABILITY AVAILABLE
- STANDARD PACKAGE


■ SPECIFICATION

| PARAMETER | | MIN. | TYP. | MAX. | UNIT | NOTE | |
|-----------------------------|-------------------------|-------------------------|-----------------------|------|-----------------------|---------------------------------|---------------------------------|
| FREQUENCY RANGE | CMOS / TTL | 1K | | 800M | Hz | | |
| | CSW / SW | 6 | | 190 | MHz | | |
| FREQUENCY STABILITY | vs. TEMPERATURE | | ±0.5 | | ±5.0 | ppm | See P/N guide for other options |
| | vs. LOAD ± 10% | CMOS / TTL | | | ±0.2 | ppm | |
| | | CSW / SW | | | ±0.2 | ppm | |
| | vs. SUPPLY VOLTAGE ± 5% | CMOS / TTL | | | ±0.3 | ppm | |
| | | CSW / SW | | | ±0.2 | ppm | |
| vs. AGING | | | | ±1.0 | ppm/year | @ 25°C | |
| OPERATING TEMPERATURE RANGE | | -40 | | 85 | °C | See P/N guide for other options | |
| STORAGE TEMPERATURE RANGE | | -55 | | 125 | °C | | |
| SUPPLY VOLTAGE ±5% | | 3.3 | | 5.0 | V | See P/N guide for other options | |
| SUPPLY CURRENT | CMOS / TTL | | | 50 | mA | * CMOS / SW for VTX: 100mA max. | |
| | CSW / SW | | | 30 | mA | | |
| OUTPUT | LOGIC FAMILY | | CMOS / TTL / CSW / SW | | | | |
| | LOAD | CMOS / TTL | 15pF / 10TTL | | | | |
| | | CSW / SW | 10kΩ//10pF / 50Ω | | | | |
| | LEVEL | CMOS (V _{OH}) | 0.9 x V _{DD} | | | V | |
| | | CMOS (V _{OL}) | | | 0.1 x V _{DD} | V | |
| | | TTL (V _{OH}) | 2.4 | | | V | |
| | | TTL (V _{OL}) | | | 0.4 | V | |
| | | CSW (3.3V) | 0.8 | | | V _{P-P} | |
| | | CSW (5.0V) | 1.0 | | | V _{P-P} | |
| | | SW (3.3V) | | 0 | | dBm | |
| | | SW (5.0V) | | 10 | | dBm | |
| SYMMETRY (DUTY CYCLE) | | 40 | | 60 | % | CMOS/TTL only | |
| RISE AND FALL TIME (Tr/Tf) | | | | 10 | nS | CMOS/TTL only | |
| FREQUENCY DEVIATION | | ±5 | | ±10 | ppm | | |
| CONTROL VOLTAGE | 3.3V | 0.15 | | 3.15 | V | | |
| | 5.0V | 0.5 | | 4.5 | V | | |
| FREQUENCY ADJUSTMENT | | ±3.0 | | | ppm | By internal trimmer | |
| PHASE NOISE | 10Hz | | -80 | | dBc/Hz | @ 20.0MHz offset | |
| | 100Hz | | -120 | | dBc/Hz | | |
| | 1kHz | | -135 | | dBc/Hz | | |
| | 10kHz | | -140 | | dBc/Hz | | |
| | 100kHz | | -145 | | dBc/Hz | | |

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■ PACKAGE DIMENSIONS

■ PART NUMBERING GUIDE


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