

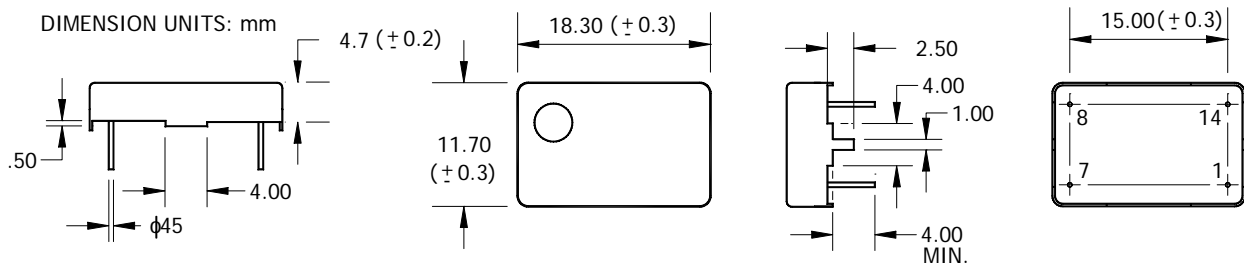


QT15 Series

Thru-Hole TCXO, 14 Pin Dip, Clipped Sine Wave

| | | | | | | | | | | |
|-----------------------------|---|---------------------------------------|-----|-----|----------------------------|-----|-----|------------|-----|--|
| Frequency | 9.600 MHz ~ 40.000 MHz | | | | | | | | | |
| Output Level | Clipped Sine Wave 1.0 Vp-p min | | | | | | | | | |
| Output Load | 20 K Ω /5 pf | | | | | | | | | |
| Stability | | | | | | | | | | |
| Frequency vs. Temperature | See Table below for Temperature Stability | | | | | | | | | |
| Aging @ 25°C | ± 1.0 ppm / year Max | | | | | | | | | |
| Frequency vs. Voltage | ± 0.5 ppm max / $\pm 5\%$ change | | | | | | | | | |
| Frequency vs. Load | ± 0.3 ppm max | | | | | | | | | |
| Frequency Adjustment Range | ± 3 ppm min | | | | | | | | | |
| Supply Voltage | 5.0 Vdc $\pm 5\%$ | | | | 3.3 Vdc $\pm 5\%$ | | | | | |
| Current | 3mA Max | | | | | | | | | |
| Operating Temperature | See Table below for Operating Temperature | | | | | | | | | |
| Storage Temperature | -40°C ~ +85°C | | | | | | | | | |
| | Frequency Stability in (\pm ppm) | | | | | | | | | |
| Operating Temperature Range | Code | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | |
| 0°C ~ +50°C | F | ** | ** | ** | ** | ** | ** | ** | ** | |
| -10°C ~ +60°C | G | ** | ** | ** | ** | ** | ** | ** | ** | |
| -10°C ~ +70°C | B | ** | ** | ** | ** | ** | ** | ** | ** | |
| -20°C ~ +70°C | C | ** | ** | ** | ** | ** | ** | ** | ** | |
| -30°C ~ +60°C | I | | ** | ** | ** | ** | ** | ** | ** | |
| -30°C ~ +70°C | J | | ** | ** | ** | ** | ** | ** | ** | |
| -30°C ~ +75°C | H | | | ** | ** | ** | ** | ** | ** | |
| -40°C ~ +80°C | K | | | | | ** | ** | ** | ** | |
| Part Number Guide | | Sample Part #: QT15-FT3-20.000 | | | | | | | | |
| | Temperature Range | Frequency Stability | | | Supply Voltage | | | Frequency | | |
| QT15 | F = 0°C ~ +50°C | T = ± 2.0 ppm | | | 3 = 3.3 Vdc or 5 = 5.0 Vdc | | | 20.000 MHz | | |

** = Indicates Availability



| PIN | CONNECTIONS |
|-----|-------------|
| 1 | NC |
| 7 | GROUND |
| 8 | OUTPUT |
| 14 | Vcc |

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Specifications subject to change without notice (Rev B)