



Q-TECH
CORPORATION

New Space Components



| | XO | | | TCXO | OCXO | | | MCXO |
|--------------------------|----------------------------------|----------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Product Line | QT723 Series | QT735 Series | QT780 Series | AXLE7050S Series | AXIOM70SL | AXIOM75SL | AXIOM75SH | QT2020 |
| Frequency Range | 1.5MHz - 133MHz | 1MHz to 250MHz | 225kHz to 250MHz | 10 to 50MHz (CSW) | 10MHz (HCMOS) | 10MHz (Sine) | 80 - 125MHz (Sine) | 5 - 100MHz |
| Stability Range | ±25ppm (limited) ±50ppm | ±25ppm (limited) ±50ppm | ±25ppm (limited) ±50ppm | ±1 ~ ±2 ppm | ±10ppb | ±10ppb | ±50ppb | ±10ppb to ±30ppb |
| Voltage | 1.8V - 3.3V | 1.8V - 5.0V | 1.8V - 5.0V | 3.3 V | 5V | 12V | 12V | 3.3V |
| Temperature Range | -55°C to +125°C | -55°C to +125°C | -55°C to +125°C | -40°C ~ +85°C | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C | 0°C to +70°C -40°C to +85°C |
| Radiation Hardness (TID) | 50kRad TID | 50kRad TID | 50kRad TID | 40kRad TID (50 kRad tested) | 10kRad TID | 40kRad TID (50 kRad tested) | 40kRad TID (50 kRad tested) | 50kRad TID |
| Radiation Hardness (SEE) | Contact Factory | Contact Factory | Contact Factory | Contact Factory | Contact Factory | | | N/A |
| Crystal | Non-Swept | Non-Swept | Non-Swept | Non-Swept | Non-Swept | Swept on request | Swept on request | Swept |
| Crystal Mount | 2-pt mount | 2-pt mount | 2-pt or 4-pt mount (package dependent) | 2-pt mount | 2-pt mount | 2-pt mount | 4-pt mount | 4-pt mount |
| Size/Package | 2.5 x 3.2mm | 3.2 x 5mm | 5 x 7mm - 7 x 9mm | 5 x 7mm | 25 x 25 x 13mm | 25 x 25 x 13mm | 25 x 25 x 13mm | 1" x 2" x 0.33" |
| Standard Screening | MIL-PRF-55310, Level B + PIND | MIL-PRF-55310, Level B + PIND | MIL-PRF-55310, Level B + PIND | MIL-PRF-55310, Level S Modified | MIL-PRF-55310, Level S Modified | MIL-PRF-55310, Level S Modified | MIL-PRF-55310, Level S Modified | MIL-PRF-55310, Level B Modified |