



Quartz Crystal Technology GmbH

SPACE QUARTZ CRYSTALS according to ESCC Generic Specification No. 3501

• Detail Specifications

- TYPE T807 (TO-5) package
- ESCC 3501/001, /008, /011 und /012
- TYPE T1507 (TO-8) package
- ESCC 3501/002, /009, /017 und /019
- TYPE 101 ESCC 3501/013
(leadless ceramic SMD-package 5 x 7 mm)

• Frequency ranges:

–T807 (TO-5) : 8.0 – 140 MHz

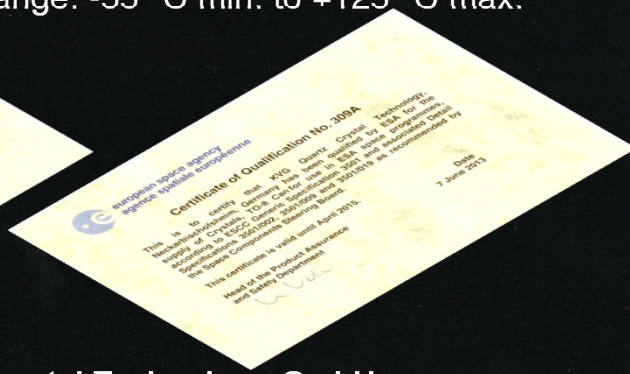
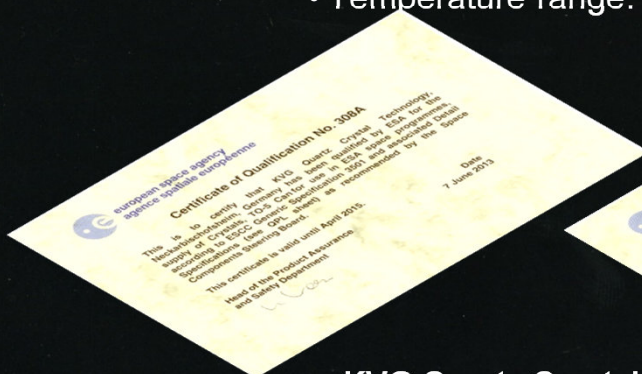
- 8.0 - 30.0 MHz; fund. mode
- 30.0 – 90.0 MHz; 3. OT
- 50.0 – 140.0 MHz; 5. OT

–T1507 (TO-8): 2.5 – 26 MHz

- 2.5 – 13.0 MHz fund.
- 10.0 – 26.0 MHz; 3. OT

–TYPE 101: 10 – 20 MHz fund. mode

- Temperature range: -55 °C min. to +125 °C max.



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SPACE CRYSTAL OSCILLATORS

according to **DLR Generic Specification**
DLR-RF-PS-STD-007

• DLR Detail Specifications

- Detail Specification XOs:
 - **DLR-RF-PS-STD-017**
- Detail Specification VCXOs:
 - **DLR-RF-PS-STD-018**
- Packages:
 - DIP-14 (4-Pins) & SMD Flat Pack (20 leads)
- Oscillator types:
 - Clock Oscillator (XO)
 - Voltage Controlled Crystal Oscillator (VCXO)

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- Supply voltage: +5 V
 - Frequency ranges XOs:
 - 10 MHz to 25 MHz (Fund.);
 - 25 MHz to 75 MHz (3rd OT)
 - 75 MHz to 90 MHz (5th OT)
 - VCXOs: 10 MHz to 30 MHz;
 - Frequency stability: $\leq \pm 100$ ppm (overall, incl. 18 years aging)
 - Temperature ranges:
 - XOs: -55 °C min. to +125 °C max.
 - VCXOs: -55 °C min. to +105 °C max.

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