

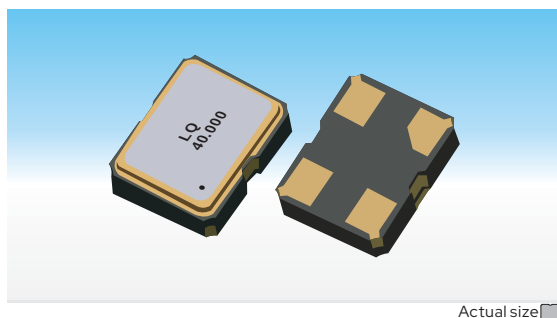
TCXO / Temperature Compensated Crystal Oscillator

7W Series SMD 2520 TCXO

10~60MHz

O: CMOS

Size: 2.5×2.0×0.8 mm



Actual size

Features

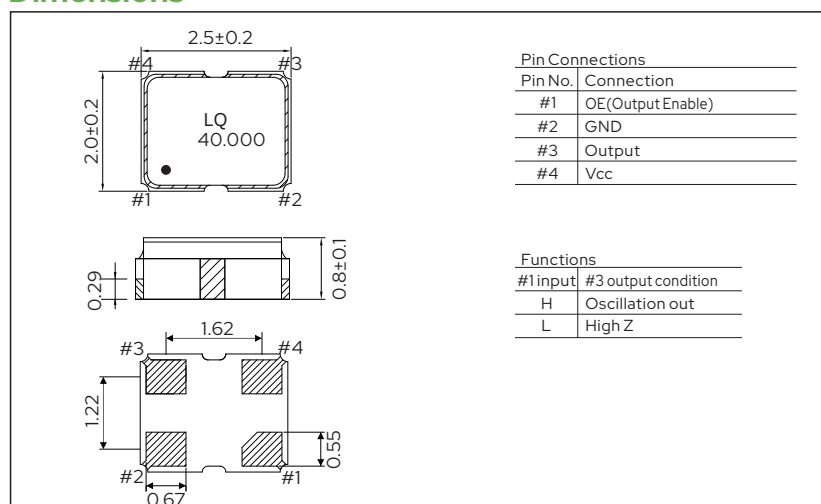
- 2520 size ultra miniature and lightweight SMD TCXO
- Low voltage operation
- Single package structure
- High frequency range: 10MHz~60MHz
- Low phase noise
- Application for GPS/GNSS, Mobile phone, Wearable device, IoT, Telecommunications, Industrial radio communications, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	7W Series SMD 2520 TCXO
Output Type		CMOS
Output Load		15pF
Frequency Range		10MHz~60MHz
Supply Voltage		1.8V /2.5V /3.3V
Current Consumption		10mA max.
Stand-by Current		3μA max.
Frequency Stability	vs. Tolerance	±2.0ppm max. (After 2 reflows)
	vs. Temperature	±2.5ppm~±10ppm max.
	vs. Supply Voltage	±0.3ppm max. (Vcc±5%)
	vs. Load Variation	±0.3ppm max. (15pF±5%)
	vs. Aging	±1.0ppm max./year
Start-up Time		5.0ms max.
0 Level Output Voltage (V _{OL})		Vcc×0.1 max.
1 Level Output Voltage (V _{OH})		Vcc×0.9 min.
Rise and Fall Time		10ns max.
Symmetry		45%~55%
Phase Noise @50MHz	Offset 10Hz	-85dBc/Hz
	Offset 100Hz	-111dBc/Hz
	Offset 1KHz	-133dBc/Hz
	Offset 10KHz	-149dBc/Hz
Operating Temperature Range		-30~+85°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C

Dimensions



Recommended Land Pattern [mm]

