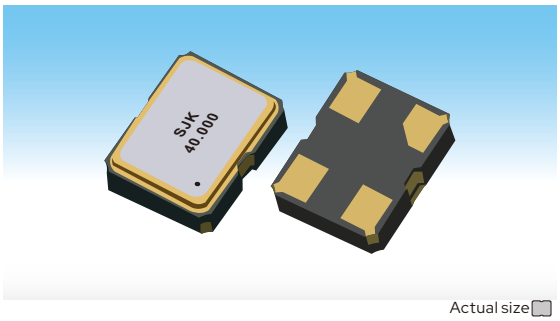
TCXO / Temperature Compensated Crystal Oscillator

7W Series SMD 2520 TCXO | 10~60MHz | O: CMOS | Size: 2.5×2.0×0.8mm



Actual size

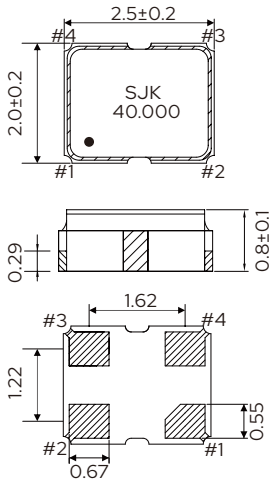
Features

- 2520 size ultra miniature and lightweight SMD TCXO
- Low voltage operation
- Single package structure
- CMOS output, 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

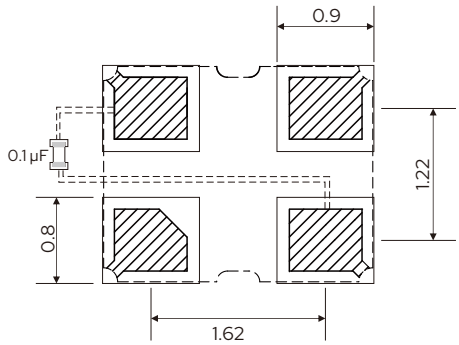


Pin Connections

Pin No.	Connection
#1	OE(Output Enable)
#2	GND
#3	Output
#4	Vcc

Functions

#1 input	#3 output condition
H	Oscillation out
L	High Z

Recommended Land Pattern [mm]

Top View