



SPECIFICATIONS

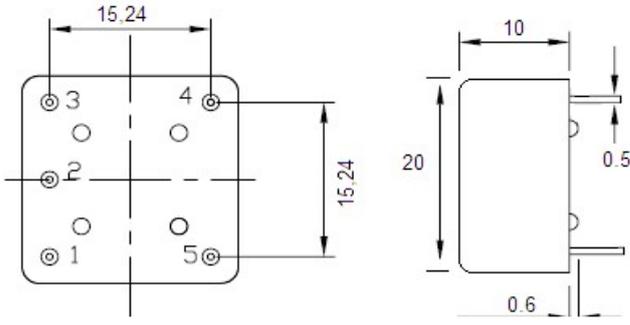
OCXO 49.152MHz P/N: C2020-C100D1-49M152

1. ELECTRICAL SPECIFICATION

PARAMETER		CHARACTERISTIC
Output	Nominal Frequency	49.152 MHz
	Waveform	Sine Wave into 50Ω
	Level	≥ 7.0 dBm (25°C±5°C)
	Harmonics	≤ -30 dBc (25°C±5°C)
	Spurious	≤ -70 dBc (25°C±5°C)
Initial Frequency Tolerance		≤± 100 ppb
Frequency Stability	Vs. Temperature	≤± 0.1 ppm (-40°C~+70°C, referred to +25°C)
	Vs. Load	≤± 5 ppb (50Ω ± 5%, 25°C±5°C)
	Vs. Supply Changes	≤± 5 ppb (VDC ± 5%, 25°C±5°C)
	Vs. Aging Per Year	≤± 0.2 ppm (after 30 working days, typical)
	Vs. Aging Per Day	≤± 2.0 ppb (after 30 working days, typical)
Phase Noise	0.1 Hz	-45 dBc/Hz
	1 Hz	-85 dBc/Hz
	10 Hz	-115 dBc/Hz
	100 Hz	-140 dBc / Hz
	1k Hz	-155 dBc / Hz
	10 kHz	-165 dBc / Hz
	100 kHz	-170 dBc / Hz
Electrical Tuning Range		≥ ± 0.5 ppm (0~ 5 V, positive slope)
Frequency Control Input Impedance		≥ 100 kΩ
Input Power	Voltage	+12 VDC ±5%
	Warm-up State	≤400 mA (25°C)
	Steady State	≤200 mA (25°C)
Operation Temperature		-40°C~70°C
Storage Temperature		-45°C~85°C



2. PACKAGE

	Pin Configuration	
	Pin 1	Control Voltage
	Pin 2	N/C
	Pin 3	GND
	Pin 4	Output
	Pin 5	Power Supply