

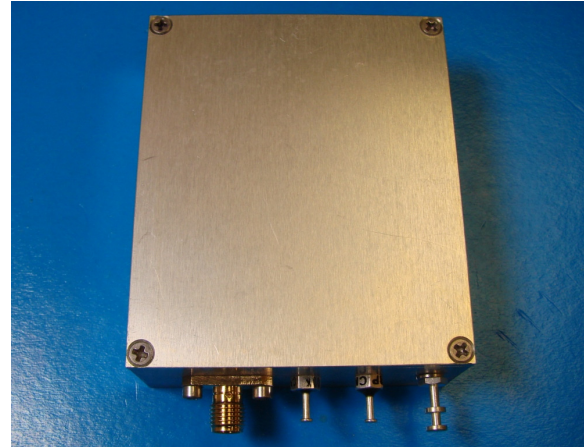
OCXO Series

100MHz Oven Controlled OSCILLATOR

Features

- Frequency: 100MHz
- Tuning Voltage: 0-5V
- Power Output: +7dBm
- Phase Noise: -151dBc/Hz @ 10KHz offset
- Power Supply: +12V
- Temperature: -40 °C to +65 °C
- SMA Female Connector

Picture



Description

OCXO-100M is an Oven Controlled Crystal Oscillator module output frequency 100MHz.

Electrical Specifications @ +25 °C, $Z_L=50 \Omega$, $V_{dc}=+12V$

Parameter	Unit	Minimum	Typical	Maximum
Frequency	MHz		100	
Phase Noise	dBc/Hz		-115dBc@100Hz	
	dBc/Hz		-139dBc@1KHz	
	dBc/Hz		-151dBc@10KHz	
	dBc/Hz		-154dBc@100KHz	
Temp Stability		$\pm 5 \times 10^{-7}$		
Aging		± 5 ppm max for 17 years		
Power Output	dBm	+3	+7	
Harmonics	dBc	-25		
Spurious	dBc	-60		
Voltage Control		$\pm 3 \times 10^{-6}$ typical for 0 to 5V Negative Slope		
Supply Voltage	V	+11.5	+12	+12.5
Supply Current	mA	350mA maximum at turn-on 100mA typical at stabilized at +25		
Operating Temp Range	°C	-40		+65

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Absolute Maximum Ratings

Parameter	Absolute Maximum
Power Supply Voltage	+16V
Operating Temperature	-40 °C to +65 °C
Storage Temperature	-55 °C to +100 °C

Outline

