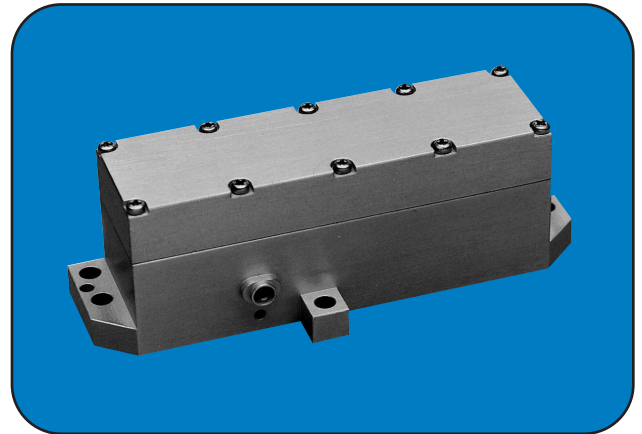


Oscillators
Vibration Isolated XO, 125 MHz
Model: OSC021



Features:

- Very Low Vibration Sensitivity
- Low Phase Noise: - 170 dBc/Hz @ 100 kHz
- Includes Vibration Damping System
- Wide Operating Temperature: - 54 to + 80 °C
- DC Regulated for Excellent Ripple Rejection
- Blindmate Connections
- Rugged Construction



Electrical Specifications

Operating Freq.:	60 - 125 MHz, customer specified
Accuracy:	± 25 ppm, typical
Warm-Up Time:	2 milliseconds to within ± 50 ppm
Frequency Drift:	0.25 ppm/sec, maximum
Output Power:	+ 15 dBm ± 3 dB (Port 1) + 2 dBm, nominal (Port 2, test port)
VSWR:	1.6:1, typical
SSB Phase Noise (dBc/Hz, typical). ^{Note 1}	
Offset	
10 Hz	- 70
100 Hz	- 105
1 kHz	- 140
10 kHz	- 165
0.1 to 1 MHz	- 170
Spurious:	- 85 dBc, maximum
Harmonics:	- 30 dBc, typical; - 20 dBc, max
DC Power:	+ 15 ± 0.2 V @ 50 mA, nominal
Power Consumption:	0.75 W, nominal

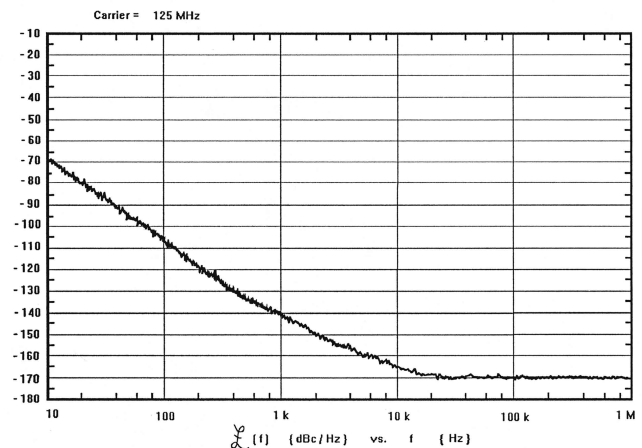
Note 1: Static conditions only. See plot.

Environmental Specifications

Operating Temperature:	- 54 to + 80 °C, baseplate
Operating Vibration:	up to 15 g _{rms}
Environment:	Airborne

Mechanical Specifications

Size (excluding connectors):	3.12 x 1.3 x 0.93 inches 79 x 33 x 24 mm
Weight:	5.29 oz (150 g), nominal
RF and DC Connectors:	Blindmate GPO® series.



Specifications subject to change without notice.