

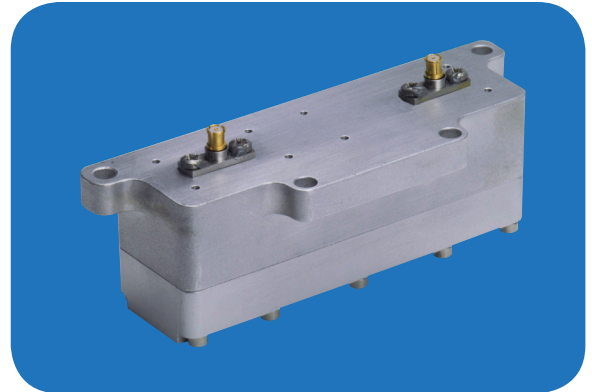
Oscillators

Ultra Low Noise Crystal Oscillators, 100 MHz Model: OSC044



Features:

- Low Noise -179dB/Hz @100 kHz
- Excellent Performance Under Vibration
- Wide Temperature Range
- DC Regulation and Filtering Included



Electrical Specifications

Operating Frequency:	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:	+23 dBm ± 3 dB
VSWR:	1.6:1 typical

SSB Phase Noise: Note 1

Offset	
10 Hz	-95 dBc/Hz, typical
100 Hz	-125 dBc/Hz, typical
1 kHz	-155 dBc/Hz, typical
10 kHz	-177 dBc/Hz, typical
0.1 to 1 MHz	<- 179 dBc/Hz, typical

Spurious:	-85 dBc, maximum
Harmonics:	-30 dBc, typical
	-20 dBc, maximum
DC Power:	+16 V @ 100 mA, nominal
Power Consumption:	1.6 W, nominal

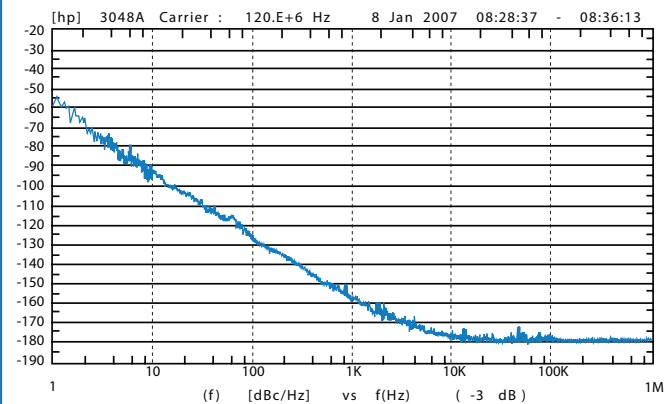
Note 1: Static conditions only. See plot

Environmental Specifications

Operating Temperature:	-54 to +80 °C baseplate
Operating Vibration:	up to 15 grms
Environment:	Airborne

Mechanical Specifications

Size (excluding connectors):	3.0 x 1.13 x 0.93 inches
	76.2 x 28.7 x 24 mm
Weight:	<3.6 oz nominal
	100 gms
RF and DC Connectors:	Blindmate GPO® series.



Specifications subject to change without notice.

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