

Oscillators

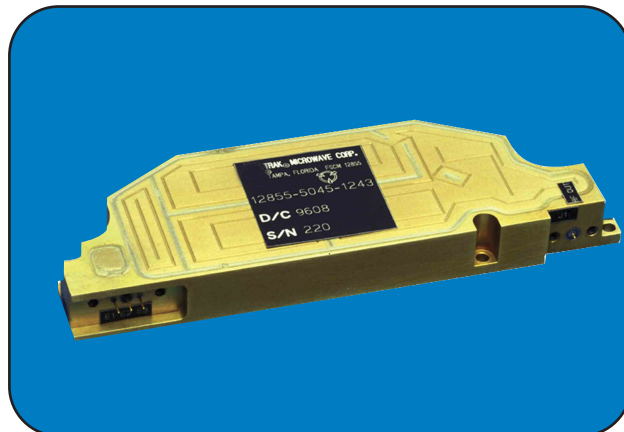
Crystal Oscillator, 16 GHz

Model: OSC030



Features:

- Low Vibration Sensitivity: $5 \times 10^{-10}/g$, max.
- Custom Low Profile Package
- DC Regulation & Filtering
- Blindmate Connections
- Custom Designs Available



Electrical Specifications

Operating Frequency:	16 GHz	
Stability:	± 50 ppm over temperature <small>Note 1</small>	
Output Power:	+ 13 dBm \pm 1.5 dB, maximum	
VSWR:	1.3:1, typical; 2.0:1, maximum	
SSB Phase Noise (dBc/Hz, typical)	Offset	
	100 Hz	- 70
	1 kHz	- 100
	10 kHz	- 115
	100 kHz	- 120
Spurious (.01-22 GHz):	- 70 dBc, typical; - 60 dBc, max	
Harmonics:	- 30 dBc, typical; - 20 dBc, max	
DC Power:	+ 15 \pm 0.6 V @ 170 mA, nominal	
Power Consumption:	2.55 W, nominal	

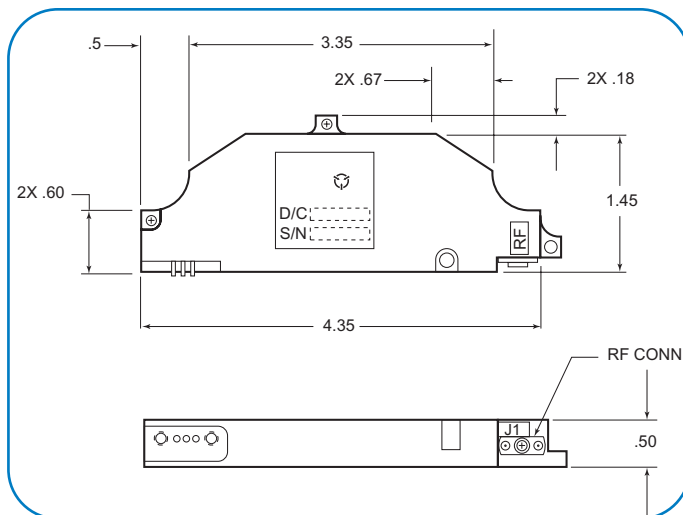
Note 1: Unit does not have temperature compensation or heater circuitry.

Environmental Specifications

Operating Temperature:	- 54 to + 90 °C, baseplate
Vibration Sensitivity:	$2 \times 10^{-10}/g$, typical
Environment:	Missile

Mechanical Specifications

Size:	See Outline
Weight:	3 oz (85 g), nominal
DC & RF Connectors:	GPO Interconnect



Specifications subject to change without notice.