

Oscillators

Crystal Oscillator, 1700 MHz

Model: OSC048

Features:

- Low Vibration Sensitivity: $3 \times 10^{-10}/g$, typical
- Ultra Low Phase Noise
- DC Regulation & Filtering
- Custom Designs Available



Electrical Specifications

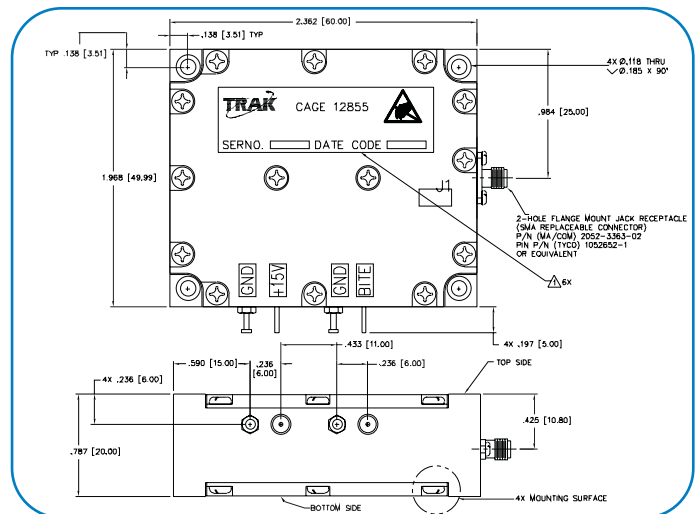
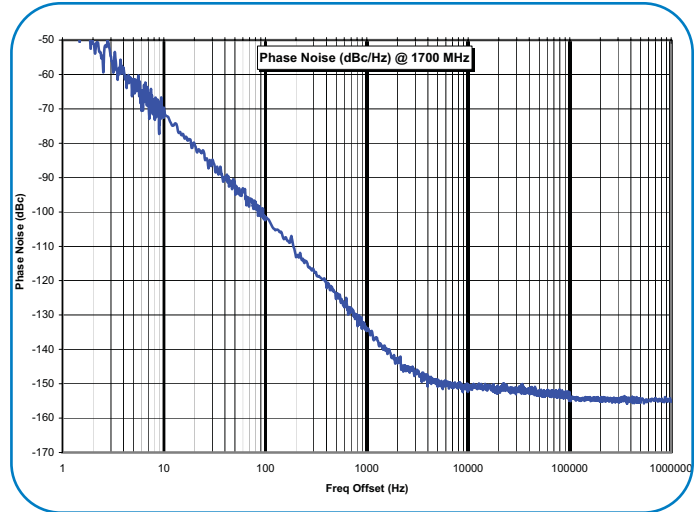
Operating Frequency:	1700 MHz
Stability:	± 50 ppm over temperature ^{Note 1}
Output Power:	+ 19 dBm \pm 2 dB, maximum
VSWR:	1.5:1, typical
SSB Phase Noise (dBc/Hz, typical)	
Offset	
10 Hz	- 72
100 Hz	- 102
1 kHz	- 134
10 kHz	- 151
100 kHz	- 153
1 MHz	- 155
Spurious:	- 85 dBc, max
Sub Harmonics:	-50 dBc, typical
Harmonics:	- 40 dBc, max
DC Power:	+ 15 \pm 0.5 V @ 280 mA, nominal
TTL BIT:	Pout > +13 dBm '1' < +10 dBm '0'

Environmental Specifications

Operating Temperature:	- 10 to + 85 °C, baseplate
Environment:	Radar

Mechanical Specifications

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



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

Specifications subject to change without notice.

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