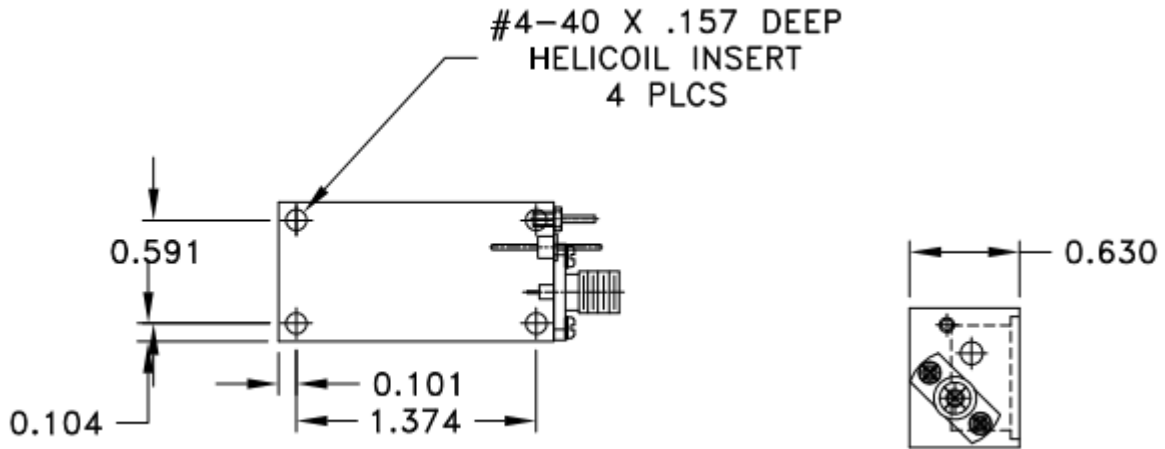
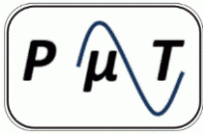


DIELECTRIC RESONATOR OSCILLATORS		PmT DRO-5000 Series	
FEATURES: <ul style="list-style-type: none"> ■ Customer Specified Frequency ■ Packaged MESFET or BJT devices ■ Low Phase Noise ■ Low Microphonics ■ High Vibration Operation ■ SMT Fabrication ■ Internal Voltage Regulation 			
Electrical Specifications:			
PmT DRO			
Parameters		Specifications	
Model	5000 Series		5100 Series
Frequency Range	12 to 18 GHz		12 to 18 GHz
Tuning	Mechanical		Electrical
Tuning Range, Min.	±10 MHz		±5 MHz
Power Output, Min.	13 dBm		13 dBm
Power Output, Max	3 dB		3 dB
Frequency Accuracy, Max.	0.1%		0.1%
Operating Temperature	-50 to +100 °C		-50 to +100 °C
Storage Temperature	-55 to +125 °C		-55 to +125 °C
Temperature Stability, Max.	±0.05%		±0.05%
Harmonics, Below Carrier, Max.	-20 dBc		-20 dBc
Spurious Output Below Carrier, Max.	-60 dBc		-60 dBc
Phase Noise ¹			
10 KHz offset	-80 dBc/Hz		-80 dBc/Hz
100 KHz offset	-95 dBc/Hz		-95 dBc/Hz
Input Voltage	+15±0.5 VDC		+15±0.5 VDC
Input Current, Max.	75 mA		75 mA
Connector	SMA Female standard		SMA Female standard
Weight, Max.	3.0 oz.		3.0 oz.
Size	See Outline		See Outline
Order Information	PmT-DRO-5000 Series- Frequency (GHz)		PmT-DRO-5100 Series- Frequency (GHz)

¹See Phase Noise Plots



Typical Phase Noise Plot:

