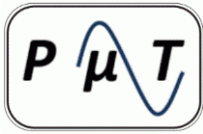


DIELECTRIC RESONATOR OSCILLATORS		PmT DRO-4000 Series	
FEATURES: <ul style="list-style-type: none"> ■ Customer Specified Frequency ■ Packaged MESFET or BJT devices ■ Low Phase Noise ■ Low Microphonics ■ High Vibration Operation ■ SMT Fabrication ■ Internal Voltage Regulation 			
Electrical Specifications:			
PmT DRO			
Parameters	Specifications		
Model	4000 Series	4100 Series	
Frequency Range	3 to 12 GHz	3 to 12 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 GHz	@ 10 GHz	
10 KHz offset	-92 dBc/Hz	-92 dBc/Hz	
100 KHz offset	-115 dBc/Hz	-115 dBc/Hz	
1 MHz offset	-142 dBc/Hz	-142 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-4000 Series- Frequency (GHz)	PmT-DRO-4100 Series- Frequency (GHz)	

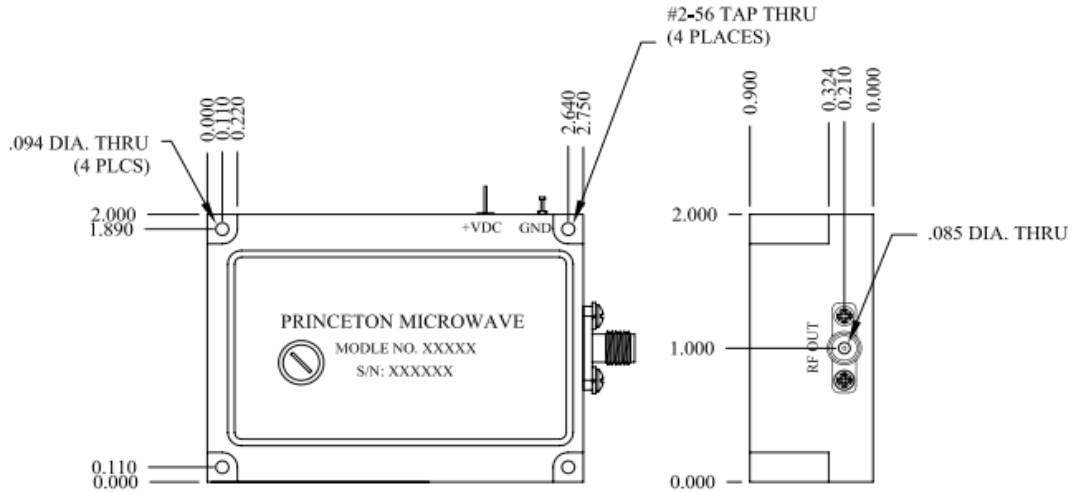
¹See Phase Noise Plots



PRINCETON MICROWAVE TECHNOLOGY INC.

The SOURCE For High Performance Frequency Source

Package Outline:



Typical Phase Noise Plot:

