



<b>DIELECTRIC RESONATOR OSCILLATORS</b>		<b>PmT DRO-7000 Series</b>	
<b>FEATURES:</b> <ul style="list-style-type: none"> <li>■ Customer Specified Frequency</li> <li>■ Packaged MESFET or BJT devices</li> <li>■ Low Phase Noise</li> <li>■ Low Microphonics</li> <li>■ High Vibration Operation</li> <li>■ SMT Fabrication</li> <li>■ Internal Voltage Regulation</li> </ul>			
Electrical Specifications:			
<b>PmT DRO</b>			
<b>Parameters</b>	<b>Specifications</b>		
<b>Model</b>	<b>7000 Series</b>	<b>7100 Series</b>	
Frequency Range	17 to 24 GHz	17 to 24 GHz	
<b>Tuning</b>	<b>Mechanical</b>	<b>Electrical</b>	
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 <sup>1</sup>			
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; 19 GHz shown	See Outline; 19 GHz shown	
Order Information	PmT-DRO-7000 Series- Frequency (GHz)	PmT-DRO-7100 Series- Frequency (GHz)	

<sup>1</sup>See Phase Noise Plots



