

PRINCETON MICROWAVE TECHNOLOGY, INC.

3 Nami Lane, Unit C-10, Mercerville, NJ 08617

Tel: (609) 586-8140 Fax: (609) 586-1231

Model: PmT 1240 – 9.470

Dielectric Resonator Oscillator

Parameter	Specification
Output RF Frequency Range	9.470 GHz
Frequency Stability	+/-1 ppm/C
Mechanical Tuning Range	1% Min
Electrical Tuning Range	0.1%
Tuning Voltage	
RF Power Out	12 dBm min
Variation FR Power Out over Temp	+/- 1 dB
Output Impedance	50 Ohm
Load VSWR	1.5:1
Pulling	+/-100 kHz
Spurious	-70 dBc
Harmonics	-20 dBc
Phase Noise @ 10 kHz	-100 dBc/Hz or better
Phase Noise @ 100 kHz	-117 dBc/Hz or better
Supply Voltage	+15 Volt
Current	50 mA max
Dimensions	1.5 "x 1.0" x 0.751"
RF Connection	SMA female
Temperature Operating	-30 to +70 degree C
Temperature Storage	-54 to +100 degree C