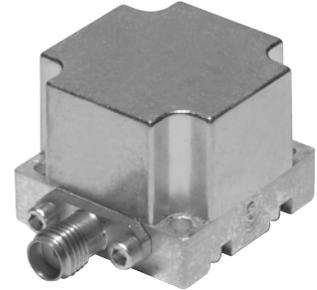


Features

- Low Phase Noise: -105 dBc/Hz @ 10K (typ.)
-128 dBc/Hz @ 100K (typ.)
- Output Power +14.5 dBm (typ.)
- Up to ± 1 GHz Tuning Range
- Outstanding Phase Hit Performance in 64 and 128 QAM Radio Systems
- Available in SMA Connectorized Package



Specifications*

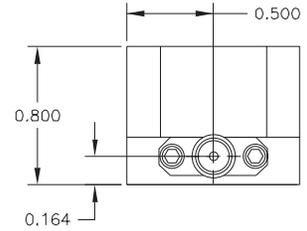
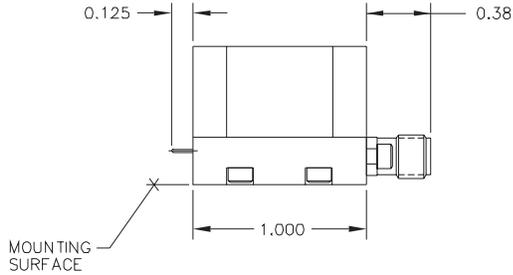
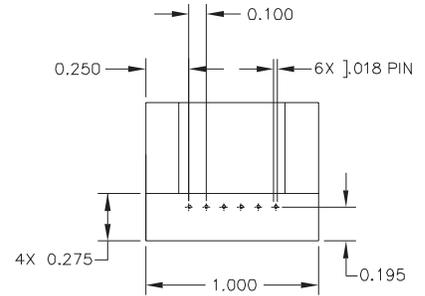
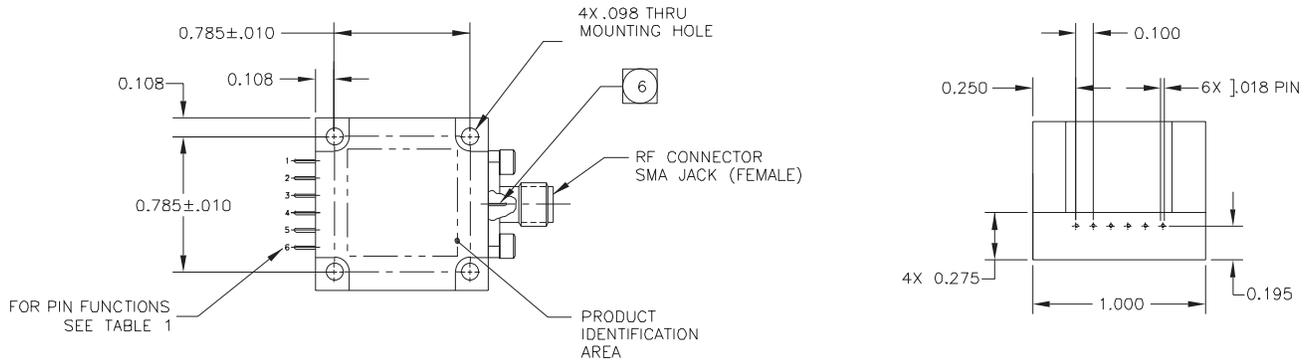
Characteristics	Typical ¹	Guaranteed ¹ -40°C to +85° C
Center Frequency (Zero Tune Current)	3 GHz to 11 GHz	
Phase Noise 10K offset	-105	-100
100K offset	-128	-123
Power Output (Min.)	12.0 dBm	9.0 dBm
Frequency Drift Over Temperature	± 30 MHz	± 60 MHz max
DC Circuit Current (Max.) at +8.5 Volts	100 mA	120 mA
Harmonic Performance		
Second Harmonic	-12dBc min	
Third Harmonic	-12dBc min	
Spurious Output	-60 dBc min	
Tuning Characteristics		
Main Coil ²		
Sensitivity	typically 5 MHz/mA $\pm 10\%$	
Coil Impedance (various)	10 Ohms	
Modulation Bandwidth	>10 kHz	
FM Coil ²		
Sensitivity	150 KHz/mA $\pm 20\%$	
Modulation Bandwidth	>400 kHz	
Deviation	± 50 MHz	
Coil Impedance	1 ohm, 2 microH	
Outline		
Package	1.00x1.00x.80 SMA Connectorized	
Weight	3 oz max	

1. Typical and Guaranteed specifications measured in a 50 ohm system at the nominal power

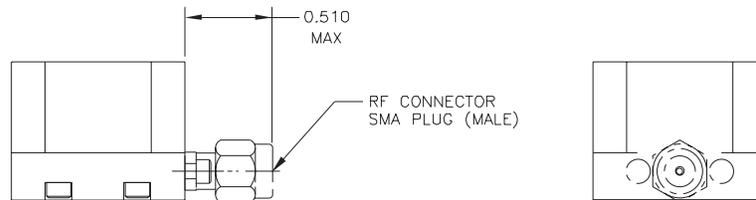
2. Other Main Coil and FM Coil Sensitivities available.

MiniYIG Oscillator

MiniYIG Package



CONFIGURATION WITH FEMALE CONNECTOR



CONFIGURATION WITH MALE CONNECTOR

TABLE 1 (5)	
DC CONNECTIONS	
PIN	FUNCTION
1	+BIAS
2	GND
3	TUNE +
4	TUNE -
5	FM +
6	FM -

Endwave #: DS-006-02-YIG Rev. 062002



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Endwave is an ISO 9001 certified company