



Crystal Oscillators > 130 to 650 MHz > **Sprinter OCXO Plus Multiplier**

**Features:**

- Multiplied Outputs to Frequencies >500 Mhz
- Integral x2, x4 and Odd-Order Multipliers
- Low Phase Noise
- Low Sub-Harmonics and Spurious

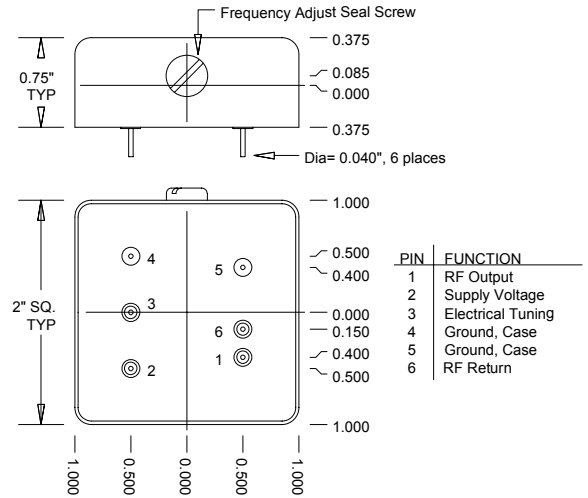
**Applications:**

- Test Equipment
- Synthesizers
- Base Stations
- Portable Transceivers

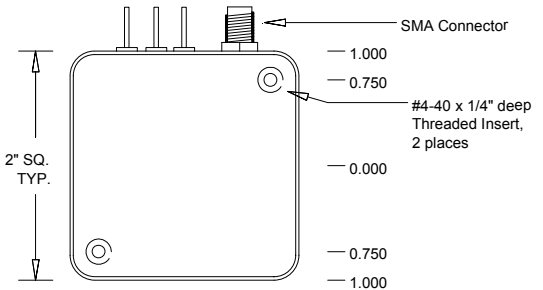
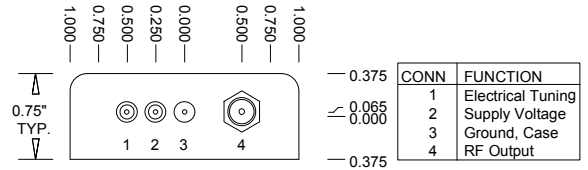


The Sprinter Plus provides the features of the Sprinter low noise oscillator with built in multipliers. X2, x4 and odd-order multiplication allow a variety of output frequencies. Noise performance is typically Sprinter noise plus 20 log(N) + 1. Good sub-harmonic rejection, -40 dBc guaranteed. Output levels to +10 dBm.

Typical Specifications:						
Frequency (Specify)		130 to 650 MHz				
Frequency		200 (100 x 2)	500 (100 x 5)		MHz	
Output Level		+13			dBm	
Aging		1 x 10 <sup>-6</sup> to 3 x 10 <sup>-7</sup> / year				
Phase Noise	100 Hz	-114	-124	-106	-116	dBc/Hz
	1 kHz	-144	-149	-136	-141	dBc/Hz
	10 kHz	-159	-151	-151	-151	dBc/Hz
	20 kHz	-159	-164	-151	-156	dBc/Hz
	Temperature Stability (Specify)		1 x 10 <sup>-6</sup> to 1 x 10 <sup>-7</sup>			
Range A	0 to +50C					
Range B	0 to +65C					
Range C	0 to +70C					
Range D	-20 to +70C					
Range E	-40 to +70C					
Range F	-55 to +85C					
Sub-Harmonics		-40			dBc	
Electrical Tuning Range (Specify)		±2 x 10 <sup>-7</sup> to ±4 x 10 <sup>-6</sup>				
Tuning A	0 to +10 VDC					
Tuning B	±5 VDC					
Supply Voltage (Specify)		+12 or +15			VDC	
Warm-up Power		5			Watts	
Total Power typical		3			Watts	
Crystal Type		SC				
Dimensions		50.8 x 50.8 x 19.05			mm	
		2.0 x 2.0 x 0.75			inches	
Connectors		SMA and feedthru capacitor				



Connector numbers are for reference only, they are not marked on unit.



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