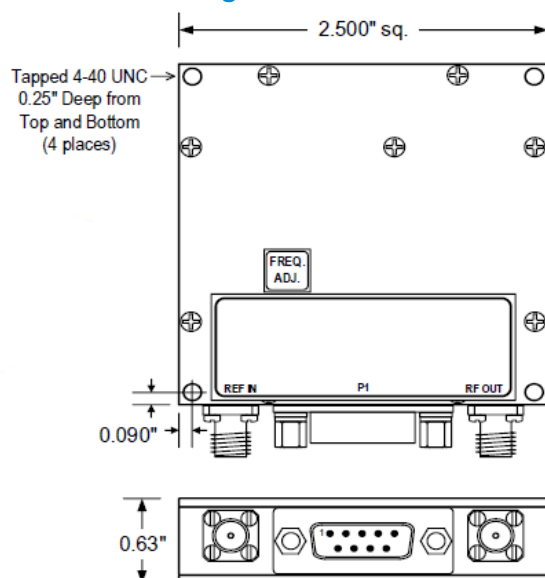


Frequency Synthesiser

10.0 - 15.0 GHz

- 10.0-15.0GHz
- Internal Ref
- SMA Female

Outline Drawing: All dimensions are in inches



RF Parameters		
Output Frequency Range	10 - 15 GHz	
Input Reference Frequency	10 MHz	
Input Level	0 dBm \pm 3 dB	
Frequency Step Size	1 kHz	
Frequency Stability	\pm 0.5 PPM	
Phase Noise in dBc/Hz		Typ.
	L(100 Hz)	-65
	L(1 kHz)	-75
	L(10 kHz)	-80
	L(100 kHz)	-85
	L(1 MHz)	-115
	L(10 MHz)	-135
Spurious	-60dBc typ.	
Harmonics	-17dBc typ.	
Output Power @ 25°C	+15dBm typ. / +13dBm min.	
Power Variation (freq & temp)	\pm 2dB max.	
Load VSWR	2:1 max.	

DC Power	
+5.5 Vdc (\pm 0.5Vdc)	1 A

Environmental	
Operating Temperature range (surface)	-5°C to +65°C
Storage Temperature range	-40°C to +85°C
Relative humidity (non-condensation)	90%RH @40°
Shock	30 g / 10msec
Vibration	4 g / 20 Hz - 20 kHz

Frequency Tuning / Alarm	
Frequency Control	RS-485
Acquisition time (typ)	< 5 msec
Phase-lock indicator (LD), High = lock:	Open collector

Mechanical	
Input / Output RF connectors	SMA Female
DC connections / Freq. Control:	DB9 (M)

Note 1: The specification provided is at nominal bias voltage and at 25°C unless otherwise specified

Note 2: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 3: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

