

### Features

- Small 3.0" x 3.0" x 0.750" Package
- Frequency Range (0.5 – 20.0 GHz)
- < 150 usec Tuning Speed Option
- -50 dBc Spurious

### Applications

- EW / SIGINT
- Radar
- Microwave Radio
- Instrumentation / Test Module



### Performance Specifications

PARAMETER	VALUE	OPTIONS
Frequency Range	0.5 – 20 GHz	
Step Size	1 MHz	
Tuning Speed (to within 10kHz)	< 150 $\mu$ s	
Output Power (min)	+10 dBm	
Power Variation	+/- 1 dB @25C	
Harmonics	-40 dBc	
Spurious	-50 dBc	
Phase Noise (typical @ 10 GHz)		
1 kHz	-80 dBc/Hz	
10 kHz	-80 dBc/Hz	
100 kHz	-80 dBc/Hz	
1 MHz	-100 dBc/Hz	
Frequency Accuracy	Same as Ref	
Input Reference Frequency	10 MHz Sine 50 Ohm	
Input Reference Power	-5 to +5 dBm	
Programming (LVTTTL)	Serial SPI w/ Lock Det	13bit Parallel
Supply Voltage	+5 VDC, 600 mA +15 VDC, 375 mA -5 VDC, 50 mA	

### Environmental Specifications

PARAMETER	VALUE	OPTIONS
Operating Temperature	-20 to +75 degC	-45 to +85 deg C
Burn-In	48 hrs at 85 deg C	As Required
Vibration	As Required	
Shock	As Required	
Temp Cycle	As Required	

### Maximum Ratings

PARAMETER	MAX VALUE
STORAGE TEMP. RANGE	-55 to +125 deg C
+5 VDC	+6 VDC
+15 VDC	+20 VDC
-5 VDC	- 6 VDC

