

Features

- Small 3.0" x 3.0" x 0.7" Package
- Frequency Range (0.1 – 20 GHz)
- < 50 usec Tuning Speed Option
- -60 dBc Spurious

Applications

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



Performance Specifications

PARAMETER	VALUE	OPTIONS
Frequency Range	0.5 – 18 GHz	0.1 – 20 GHz
Step Size	10 MHz	2.5 – 10 MHz
Tuning Speed	< 100 usecs	< 50 μsecs
Output Power	+9 dBm	
Power Variation	+/- 2 dBm	+/- 1 dBm
Harmonics	-15 dBc	
Spurious	-60 dBc	
Phase Noise (typical @ 10 GHz)		
1 kHz	-65 dBc/Hz	
10 kHz	-65 dBc/Hz	
100 kHz	-65 dBc/Hz	
1 MHz	-100 dBc/Hz	
Frequency Accuracy	Same as Ref	
Input Reference Frequency	10 MHz	10 – 20 MHz
Input Reference Power	-3 to +3 dBm	
Programming (LVTTTL)	Serial SPI w/ Lock Det	Parallel
Supply Voltage	+5 VDC, 500 mA +15 VDC, 350 mA -5 VDC, 25 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

