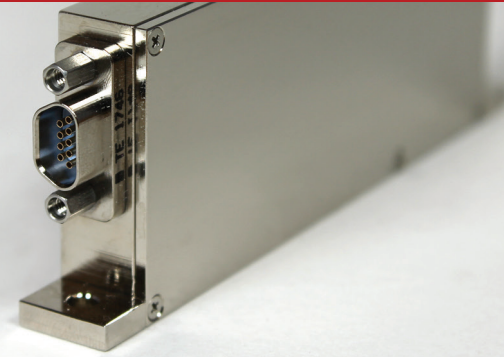


### Features

- Small 3.8" x 3.5" x 0.45" Package
- Frequency Range (11 – 15 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	11.0 – 15.0 GHz	
Step Size	5 MHz	
Tuning Speed	< 100 usec	< 50 usecs
Output Power	+12.5 dBm	
Power Variation	+/- 2.5 dBm	+/- 1 dBm
Harmonics	-30 dBc	
Spurious	-60 dBc	
Phase Noise (typical @ 10 GHz)		
1 kHz	-70 dBc/Hz	
10 kHz	-70 dBc/Hz	
100 kHz	-70 dBc/Hz	
1 MHz	-105 dBc/Hz	
Frequency Accuracy	Same as Ref	
Input Reference Frequency	10 – 20 MHz	
Input Reference Power	-3 to +3 dBm	
Programming (LVTTTL)	Serial SPI w/ Lock Det	
Supply Voltage	+12 VDC, 85 mA	
	+8 VDC, 250 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
+12 VDC	+15 VDC
+8 VDC	+10 VDC

