

FREQUENCY SYNTHESIZER

7611 Series

Model No. 6139-5468-01

- *Low Phase Noise, High Speed Performance*
- *Single Loop design*
- *Internal voltage regulator and heater*
- *Wide operating temperature range*

Frequency	9.25 GHz to 14.05 GHz	
Power Output	+10 dBm nominal	
Harmonics	-15 dBc (max)	
Tuning Control	5 bit word and strobe	
Tuning Step Size	200 MHz	
Switching Speed	8 μ sec	
Spurious	-55 dBc (max)	
Frequency Stability	Same as external reference	
Phase Noise (SSB) (typ)	Offset	dBc/Hz
	100 Hz	-60
	1 KHz	-90
	10 KHz	-110
	100 KHz	-110
	1 MHz	-110
Lock Alarm	TTL	
DC Power	+12 Volts @ 750 mA (max) +5 Volts @ 200 mA (max) -12 Volts @ 650 mA (max) -5.2 Volts @ 325 mA (max)	
Temperature Range	-40°C to +85°C	
RF Connectors	SMA female	
DC Connectors & Tuning Word	Feedthrus	
Dimensions	2.80" x 2.80" x 0.80"	
EXTERNAL REFERENCE INPUT		
Frequency Range	200 MHz nominal	
Power Input	0 dBm +3 dB	
Input Impedance	50 ohms	

NOTE: Phase Noise is dependent upon external reference phase noise.