

Specification	Limit	Comments
Frequency (Nom.)	1030 MHz	
Frequency (Var.)	+/- 50 kHz	All Conditions: Temp, Voltage, Load and Aging
Tuning Voltage Option	0V to 5V	Optional Frequency Tuning Port (Option -EFC)
Power Output	+22 dBm +2dB / -1dB	Into 50 ohms. Variation over temperature is 1.5dB max peak to peak
Spurious (Crystal Products)	-20 dBc (Max)	Crystal Fundamental Freq.= 128.75MHz at 1030MHz output (x8 Topology)
Harmonics	-25 dBc (Max), -32 dBc Typical	
All other Spurious	-100 dBc (Max)	
DC Input	+6 Vdc to +15 Vdc at 110 mA (Max at +12 Vdc)	Internal Switching Regulator and Filter, current consumption depends on operating voltage
Temperature (Case)	-54°C to +85°C (non-oper.) -40°C to +85°C (oper.)	
Screening	1) Burn-in: 48 Hours Power ON at +85°C 2) Electrical Test: +25°C	
Mechanical	1.300 x 1.300 x 0.310 inches see Figure 1.	Surface Mount Unit with optional Conformal Coating Seal. Unit is constructed on 0.062 FR4 with a stamped metal cover, soldered to ground.
Interface	Solder cups on edge of PCB with gold plated copper conductor.	Reflow soldering recommended at next higher assembly using SN62 solder paste with a maximum temperature of 230°C for 10 seconds

Figure 1:

