

X-BAND PHASE LOCKED OSCILLATOR

- **VERY LOW PHASE NOISE**
- **LOW SPURIOUS**
- **COMPACT SIZE**
- **BUILT IN HIGH STABILITY REFERENCE**
- **HIGH RF POWER**

Electrical characteristics:

Operating Frequency	7927.8 MHz
Output Power	+ 17 dBm typ. (+/-1.5 dBm in full temperature range)
Supply Voltage	+12V DC +/-0.5V
Current consumption	320 mA typ. @ +12V
Harmonics	< -20 dBc
In band Spurious	typical -72 dBc, max. -62 dBc
Subharmonics	typical -60 dBc, max. -50 dBc
Phase Lock Alarm	TTL "H" in Lock, TTL "L" in Unlock
Phase Noise	-71 dBc/Hz @ 100 Hz typ. (max. -65 dBc/Hz) -98 dBc/Hz @ 1 kHz typ. (max. -93 dBc/Hz) -103 dBc/Hz @ 10 kHz typ. (max. -98 dBc/Hz) -110 dBc/Hz @ 100 kHz typ. (max. -104 dBc/Hz)
Frequency stability	+/- 0.3 ppm
Connectors:	RF Output: SMA female Supply Voltage: Filtered feedthru Phase Lock Alarm: Filtered feedthru GND: Soldered Lug
Temperature range	-20°C to + 60°C (operate)/-40°C to + 80°C (storage)
Outline dimensions	57 x 57 x 15 mm

Specifications are subject to change without notice.

Outline dimensions (mm):

