

S-BAND PHASE LOCKED OSCILLATOR

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

Electrical characteristics:

Operating Frequency	4050 MHz
Output Power	+ 17 dBm (+/-1.5 dBm in full temperature range)
Load VSWR	1.5 : 1(max)
Supply Voltage	+12V DC +/-0.5V
Current consumption	220 mA @ 12V
Harmonics	< -20 dBc
In band Spurious	typical -80 dBc, max. -70 dBc
Phase Lock Alarm	TTL "H" in Lock, TTL "L" in Unlock
Phase Noise	< -88 dBc/Hz @ 100 Hz (max. -88 dBc/Hz) < -109 dBc/Hz @ 1 kHz (max. -104 dBc/Hz) < -114 dBc/Hz @ 10 kHz (max. -109 dBc/Hz)
Frequency stability	+/- 0.3 ppm
Connectors:	RF Output Supply Voltage Phase Lock Alarm GND
	SMA female Filtered feedthru Filtered feedthru Soldered Lug
Temperature range	-20°C to + 60°C (operate)/-40°C to + 70°C (storage)
Outline dimensions	57 x 57 x 15 mm

Specifications are subject to change without notice.

Outline dimensions (mm):

