

CERAMIC RESONATOR OSCILLATOR

SURFACE MOUNT MODEL: CSO-2488

OPTIMIZED FREQUENCY

2488.32 MHz

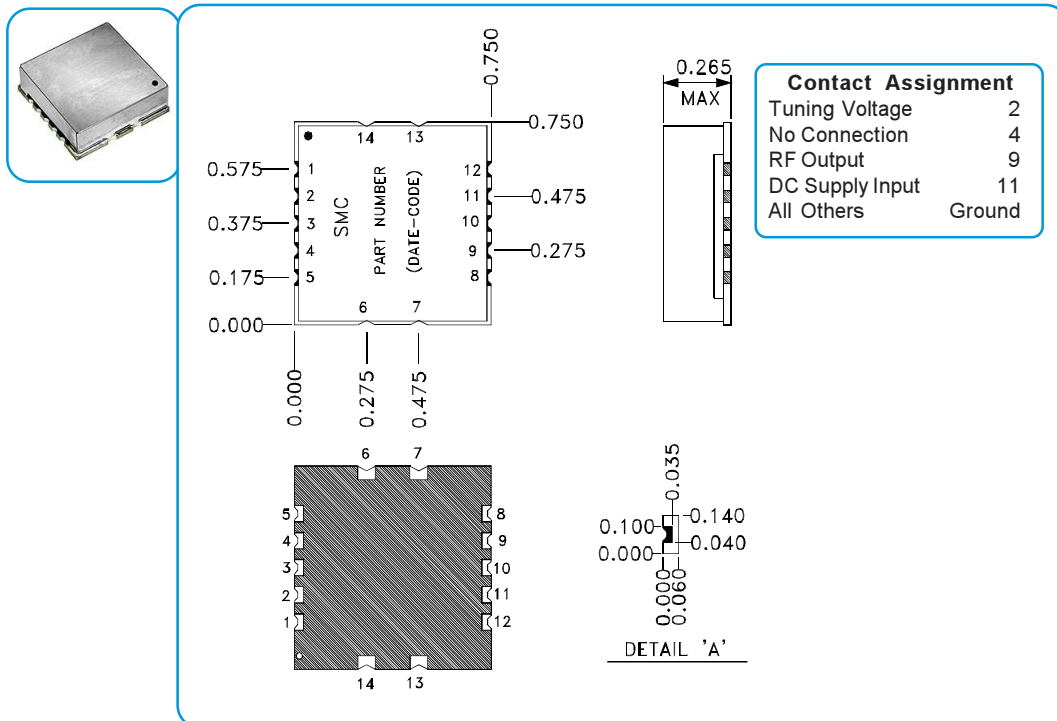
FEATURES:

- Exceptional Phase Noise Performance
- Low / Uniform Thermal Drift
- Small Size, Surface Mount

SPECIFICATIONS:

Oscillator Center Frequency:	2488.32 MHz		Second Harmonic Suppression:	-20 (Typ) / -10 dBc (Max)
Tuning Voltage:	1.0 to 5.0 VDC		Frequency Pushing:	200 kHz/V (Max)
Bias Voltage:	+12 VDC @ 30 mA (Max)		Frequency Pulling:	250 kHz p-p (Max) @ 1.75:1 VSWR
Output Power:	+3 to +7 dBm		Tuning Port Capacitance:	45 pF (Max)
Typical Tuning Sensitivity:	0.2 to 0.4 MHz/V		3 dB Modulation Bandwidth:	0.5 MHz/V (Typ)
Maximum Phase Noise:	Target	Max	Frequency Drift With Temperature:	±600 kHz (Max)
@ 1 kHz offset	-95 dBc/Hz	-92 dBc/Hz	Output Impedance:	50 ohms (Nom)
@ 10 kHz offset	-123 dBc/Hz	-120 dBc/Hz	Operating Temp. Range:	-40° to +85°C
@ 100 kHz offset	-143 dBc/Hz	-138 dBc/Hz		
@ 1000 kHz offset	-160 dBc/Hz	-153 dBc/Hz		

MECHANICAL OUTLINE: 249-1



CERAMIC RESONATOR OSCILLATOR

SURFACE MOUNT MODEL: CSO-2488

OPTIMIZED FREQUENCY

2488.32 MHz

PERFORMANCE PLOTS

