

# VOLTAGE CONTROLLED OSCILLATOR

## SURFACE MOUNT MODEL: DCMO110250-5

**WIDE BANDWIDTH**

**1100 - 2500 MHz**

### FEATURES:

- Exceptional Phase Noise Performance
- Tuning Voltage: 0.5 to 25 VDC
- Small Size, Surface Mount
- Lead Free - REL-PRO® Technology
- RoHS Compliant

### SPECIFICATIONS: (Rev. "A" 05/17/06)

Oscillator Frequency Range:	1100 - 2500	MHz
Tuning Voltage (Full Band):	0.5 to 25 V	
Tuning Voltage:	Frequency	
0.5 V	1100 MHz	(Max)
5 V	1250 MHz	(Min)
8 V	1500 MHz	(Min)
12 V	1800 MHz	(Min)
15 V	2050 MHz	(Min)
18 V	2200 MHz	(Min)
24 V	2450 MHz	(Min)
25 V	2500 MHz	(Min)
Phase Noise:	-100 dBc/Hz @ 10KHz offset	(Typ.)
Tuning Sensitivity:	30 - 80 MHz/V	(Typ.)
Output Power:	+6 dBm	(Min)
Bias Voltage Range:	+5 V	@ <35 mA
Harmonic Suppression:	18 dBc	(Typ.)
Frequency Pulling:	5 MHz Typ. (@ 1.75:1 VSWR)	
Frequency Pushing:	5 MHz/V	(Typ.)
Operating Temperature Range:	-40 to +85	( °C )

**PATENT PENDING**



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### MECHANICAL OUTLINE:

