

# Engineering Development Model

## Voltage Controlled Oscillator

POS-ED13059/1

### Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

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CASE STYLE : A06

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1420		2500	MHz
Tuning Voltage	.5		20	V
Power Output		3		dBm
Phase Noise	at 1 kHz offset at 10 KHz offset at 100 KHz offset at 1000 kHz offset			
		-65		dBc/Hz
		-90		dBc/Hz
		-110		dBc/Hz
		-130		dBc/Hz
Pulling at 12 dBr PK-PK all phases		30		MHz
Pushing at Vcc ± 5%		3		MHz/V
Tuning Sensitivity		30-100		MHz/V
Harmonic Suppression		-15		dBc
3 dB Modulation Bandwidth		100,000		kHz
Supply Voltage		5		V
Supply Current			30	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+6V
Absolute Tuning Voltage (Vtune)	+22V

PIN CONNECTIONS	
RF OUT	2
VCC	1
V-TUNE	8
GROUND	3,4,5,6,7
CASE GROUND	3,4,5,6,7

