

# 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.



Please click "Back", and then click "Contact Us" for Applications support.

**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	-65		dBc/Hz
	at 10 KHz offset	-90		dBc/Hz
	at 100 KHz offset	-110		dBc/Hz
	at 1000 kHz offset	-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



P.O. Box 350186, Brooklyn, New York 11235-0000 (718) 934-4500 Fax (718) 332-4851 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MIN-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

HF/RF MICROWAVE COMPONENTS



REV. X1  
POS-ED13059/1  
12/17/2008  
Page 1 of 1