

Engineering Development Model

Voltage Controlled Oscillator

POSA-ED8383/2

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 : C145

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	145		175	MHz
Tuning Voltage	2		18	V
Power Output		11		dBm
Phase Noise				
at 1 kHz offset		-100		dBc/Hz
at 10 KHz offset		-124		dBc/Hz
at 100 KHz offset		-139		dBc/Hz
at 1000 kHz offset		-160		dBc/Hz
Pulling at 12 dBm PK-PK all phases		0.3		MHz
Pushing at Vcc ± 5%		0.05		MHz/V
Tuning Sensitivity		2-3		MHz/V
Harmonic Suppression		-28		dBc
3 dB Modulation Bandwidth		2,500		kHz
Supply Voltage		12		V
Supply Current			30	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+15V
Absolute Tuning Voltage (Vtune)	+20V

PIN CONNECTIONS	
RF OUT	8
VCC	5
V-TUNE	14
GROUND	1,2,3,4,6,7,9,10,11,12,13,15,16



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



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