

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13527/1

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.



CASE STYLE : CK605

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ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	940		1880	MHz
Tuning Voltage	1		18	V
Power Output		5		dBm
Phase Noise				
at 1 kHz offset		-75		dBc/Hz
at 10 KHz offset		-100		dBc/Hz
at 100 KHz offset		-120		dBc/Hz
at 1000 kHz offset		-140		dBc/Hz
Pulling at 12 dBm PK-PK all phases		2.0		MHz
Pushing at $V_{cc} \pm 0.25V$		1.5		MHz/V
Tuning Sensitivity		4.5-85		MHz/V
Harmonic Suppression		-15		dBc
3 dB Modulation Bandwidth		117,000		kHz
Supply Voltage		5		V
Supply Current			35	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (V_{cc})	+6V
Absolute Tuning Voltage (V_{tune})	+20V

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



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



IF/RF MICROWAVE COMPONENTS



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