## Engineering Development Model

## Voltage Controlled Oscillator ROS-ED14380/2

## **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.



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

CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	483		544	MHz
Tuning Voltage	.5		4.5	V
Power Output		0		dBm
Phase Noise				
at 1 kHz offset		-85		dBc/Hz
at 10 KHz offset		-112		dBc/Hz
at 100 KHz offset		-132		dBc/Hz
at 1000 kHz offset		-152		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.5		MHz
Pushing at Vcc ± 5%		3.0		MHz/V
Tuning Sensitivity		19-23		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		20,000		kHz
Supply Voltage		5		V
Supply Current			20	mA

MAXIMUM RATINGS			
Operating Temperature	-55°C to 85°C		
Storage Temperature	-55°C to 100°C		
Absolute Supply Voltage (Vcc)	+6V		
Absolute Tuning Voltage (Vtune)	+6V		

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



ISO 9001 ISO 14001 AS 9100 CERTIFIED 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 IE/RE MICROWAVE COMPONENTS