

# Engineering Development Model

## Voltage Controlled Oscillator

ROS-ED8900/1

### 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 : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	125		270	MHz
Tuning Voltage	0.5		20	V
Power Output		+8		dBm
Phase Noise				
at 1 kHz offset		-83		dBc/Hz
at 10 KHz offset		-105		dBc/Hz
at 100 KHz offset		-125		dBc/Hz
at 1000 kHz offset		-145		dBc/Hz
Pulling at 12 dB PK-PK all phases		1		MHz
Pushing at Vcc ± 5%		0.3		MHz/V
Tuning Sensitivity		7-11		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		200		kHz
Supply Voltage		12		V
Supply Current			25	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+14V
Absolute Tuning Voltage (Vtune)	+22V

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](http://www.minicircuits.com)



REV. X1  
ROS-ED8900/1  
7/15/2010  
Page 1 of 1

IF/RF MICROWAVE COMPONENTS