## **Voltage Controlled Oscillator**

## JCOS-ED9700A/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 : BG419** 

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	990		1015	MHz
Tuning Voltage	0.3		15	V
Power Output		+7		dBm
Phase Noise				
at 1 kHz offset		-93		dBc/Hz
at 10 KHz offset		-118		dBc/Hz
at 100 KHz offset		-138		dBc/Hz
at 1000 kHz offset		-155		dBc/Hz
Pulling at 12 dBr PK-PK all phases		1		MHz
Pushing at Vcc=5V±0.25V		0.15		MHz/V
Tuning Sensitivity		6 - 8		MHz/V
Harmonic Suppression		-35		dBc
3 dB Modulation Bandwidth		18000		kHz
Supply Voltage		11		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)	+13V		
Absolute Tuning Voltage (Vtune)	+17V		

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

Home

INTERNET http://www.minicircuits.com ini-Circuits P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 Distribution Centers NORTH AMERICA 800-654-7949 + 417-335-5935 + Fax 417-335-5945 + EUROPE 44-1252-832600 + Fax 44-1252-837010 Mini-Circuits ISO 9001 & ISO 14001 Certified

REV. X1 JCOS-ED9700A/2 60522