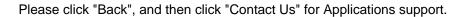
## Engineering Development Model

## **Voltage Controlled Oscillator**

## JCOS-ED9700/1

## **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: BG419** 

ELECTRICAL SPECIFICATIONS 50Ω					
Parameter	Min.	Тур.	Max.	Units	
Frequency	981		1031	MHz	
Tuning Voltage	0.5		15	V	
Power Output		+6		dBm	
Phase Noise					
at 1 kHz offset		-92		dBc/Hz	
at 10 KHz offset		-116		dBc/Hz	
at 100 KHz offset		-136		dBc/Hz	
at 1000 kHz offset		-152		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		1		MHz	
Pushing at Vcc=5V±0.25V		0.5		MHz/V	
Tuning Sensitivity		3 - 10		MHz/V	
Harmonic Suppression		-40		dBc	
3 dB Modulation Bandwidth		13000		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	