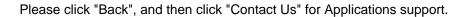
## Engineering Development Model

## **Voltage Controlled Oscillator**

## JCOS-ED10356/1

## **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	138		159	MHz	
Tuning Voltage	1		14	V	
Power Output		+6		dBm	
Phase Noise					
at 1 kHz offset		-99		dBc/Hz	
at 10 KHz offset		-123		dBc/Hz	
at 100 KHz offset		-143		dBc/Hz	
at 1000 kHz offset		-163		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		0.1		MHz	
Pushing at Vcc=5V±0.25V		0.05		MHz/V	
Tuning Sensitivity		4 - 5		MHz/V	
Harmonic Suppression		-30		dBc	
3 dB Modulation Bandwidth		2500		kHz	
Supply Voltage		12		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)	+14V		
Absolute Tuning Voltage (Vtune)	+16V		

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