

## 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.



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**CASE STYLE : BG419**

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	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

