

## Engineering Development Model

### Voltage Controlled Oscillator

JCOS-ED4735/1

#### 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	1062		1132	MHz
Tuning Voltage	1		8	V
Power Output		+7		dBm
Phase Noise				
at 1 kHz offset		-88		dBc/Hz
at 10 KHz offset		-112		dBc/Hz
at 100 KHz offset		-132		dBc/Hz
at 1000 kHz offset		-152		dBc/Hz
Pulling at 12 dBm PK-PK all phases		1.9		MHz
Pushing at Vcc=5V±0.25V		0.6		MHz/V
Tuning Sensitivity		10 - 20		MHz/V
Harmonic Suppression		-30		dBc
3 dB Modulation Bandwidth		2000		kHz
Supply Voltage		8		V
Supply Current			35	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+10V
Absolute Tuning Voltage (Vtune)	+10V

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