

Engineering Development Model

Voltage Controlled Oscillator

JCOS-ED13457/1

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 : BG291

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	120		130	MHz
Tuning Voltage	.5		9	V
Power Output		8		dBm
Phase Noise				
at 1 kHz offset		-100		dBc/Hz
at 10 KHz offset		-125		dBc/Hz
at 100 KHz offset		-145		dBc/Hz
at 1000 kHz offset		-165		dBc/Hz
Pulling at 12 dBm PK-PK all phases		.12		MHz
Pushing at Vcc ± 5%		.2		MHz/V
Tuning Sensitivity		2-5		MHz/V
Harmonic Suppression		-30		dBc
3 dB Modulation Bandwidth		27,000		kHz
Supply Voltage		9		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)	+10V
Absolute Tuning Voltage (Vtune)	+10V

PIN CONNECTIONS	
RF OUT	7
VCC	8
V-TUNE	1
GROUND	2,3,4,5,6,9,10,11,12,13,14

