

Engineering Development Model

Voltage Controlled Oscillator

JCOS-EDR4787

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	121		140	MHz
Tuning Voltage	1		9	V
Power Output		+9		dBm
Phase Noise				
at 1 kHz offset		-97		dBc/Hz
at 10 KHz offset		-118		dBc/Hz
at 100 KHz offset		-139		dBc/Hz
at 1000 kHz offset		-157		dBc/Hz
Pulling at 12 dBm PK-PK all phases		0.2		MHz
Pushing at Vcc=5V±0.25V		0.15		MHz/V
Tuning Sensitivity		3 - 5		MHz/V
Harmonic Suppression		-19	-10	dBc
3 dB Modulation Bandwidth		7000		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)	+11V
Absolute Tuning Voltage (Vtune)	+11V

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