

Engineering Development Model

Voltage Controlled Oscillator

JCOS-EDR5287

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	361		439	MHz
Tuning Voltage	0		6	V
Power Output		+4		dBm
Phase Noise				
at 1 kHz offset		-73		dBc/Hz
at 10 KHz offset		-97		dBc/Hz
at 100 KHz offset		-119		dBc/Hz
at 1000 kHz offset		-143		dBc/Hz
Pulling at 12 dB PK-PK all phases		2		MHz
Pushing at Vcc=5V±0.25V		0.5		MHz/V
Tuning Sensitivity		13 - 20		MHz/V
Harmonic Suppression		-31	-14	dBc
3 dB Modulation Bandwidth		6100		kHz
Supply Voltage		5		V
Supply Current			30	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+7V
Absolute Tuning Voltage (Vtune)	+8V

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