

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13088/1

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 : CK1113

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1312		1316	MHz
Tuning Voltage	1.5		10	V
Power Output		10		dBm
Phase Noise	at 1 kHz offset	-100		dBc/Hz
	at 10 KHz offset	-126		dBc/Hz
	at 100 KHz offset	-146		dBc/Hz
	at 1000 kHz offset	-166		dBc/Hz
Pulling at 12 dBm PK-PK all phases		.5		MHz
Pushing at Vcc ± 5%		.01		MHz/V
Tuning Sensitivity		4-6		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		140,000		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)	+12V

PIN CONNECTIONS	
RF OUT	10
VCC	14
V-TUNE	2
GROUND	1,3,4,5,6,7,8,9,11,12,13,15,16

