

# Engineering Development Model

## Voltage Controlled Oscillator

## ROS-EDR8271

### 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	2480		2960	MHz
Tuning Voltage	0.5		16	V
Power Output	+3.5	+7	+10	dBm
Phase Noise				
at 1 kHz offset		-79		dBc/Hz
at 10 KHz offset		-106		dBc/Hz
at 100 KHz offset		-128		dBc/Hz
at 1000 kHz offset		-147		dBc/Hz
Pulling at 12 dBr PK-PK all phases		4		MHz
Pushing at Vcc=5V±0.25V		0.5		MHz/V
Tuning Sensitivity		25-55		MHz/V
Harmonic Suppression		-25	-10	dBc
Supply Voltage		8		V
Supply Current		32	40	mA

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+10V
Absolute Tuning Voltage (Vtune)	+18V

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