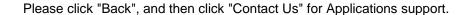
## Engineering Development Model

## **Voltage Controlled Oscillator**

## **ROS-ED16050/1**

## **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.





**CASE STYLE: CK1113** 

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	2248		2252	MHz
Tuning Voltage	0		5	V
Power Output		4.5		dBm
Phase Noise				
at 1 kHz offset		-96		dBc/Hz
at 10 KHz offset		-118		dBc/Hz
at 100 KHz offset		-138		dBc/Hz
at 1000 kHz offset		-158		dBc/Hz
Pulling at 12 dBr PK-PK all phases		1.5		MHz
Pushing at Vcc ± 0.25V		0.2		MHz/V
Tuning Sensitivity		4.5-6		MHz/V
Harmonic Suppression		-30		dBc
3 dB Modulation Bandwidth		110,000		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)	+6V	
Absolute Tuning Voltage (Vtune)	+6V	

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