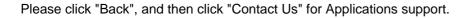
## Engineering Development Model

## **Voltage Controlled Oscillator**

## **ROS-EDR5358/2**

## **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: CK605** 

ELECTRICAL SPECIFICATIONS 50Ω					
Parameter	Min.	Тур.	Max.	Units	
Frequency	1581		1660	MHz	
Tuning Voltage	0.5		4.5	V	
Power Output		0		dBm	
Phase Noise					
at 1 kHz offset		-82		dBc/Hz	
at 10 KHz offset		-105		dBc/Hz	
at 100 KHz offset		-125		dBc/Hz	
at 1000 kHz offset		-145		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		1.5		MHz	
Pushing at Vcc=5V±0.25V		1.5		MHz/V	
Tuning Sensitivity		27 - 37		MHz/V	
Harmonic Suppression		-17	-7	dBc	
3 dB Modulation Bandwidth		8500		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)	+6.5V	

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