

## 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.



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**CASE STYLE : CK605**

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	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 dB <sub>r</sub> PK-PK all phases		1.5		MHz
Pushing at V <sub>cc</sub> =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 (V <sub>cc</sub> )	+7V
Absolute Tuning Voltage (V <sub>tune</sub> )	+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

