

## Engineering Development Model

# Voltage Controlled Oscillator

# ROS-ED9763/1

### 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 : CK605**

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	2400		2483	MHz
Tuning Voltage	0.5		2.8	V
Power Output		0		dBm
Phase Noise	at 1 kHz offset	-73		dBc/Hz
	at 10 KHz offset	-97		dBc/Hz
	at 100 KHz offset	-117		dBc/Hz
	at 1000 kHz offset	-132		dBc/Hz
Pulling at 12 dB <sub>r</sub> PK-PK all phases		5		MHz
Pushing at V <sub>cc</sub> =5V±0.25V		4		MHz/V
Tuning Sensitivity		85 - 105		MHz/V
Harmonic Suppression		-17		dBc
3 dB Modulation Bandwidth		7000		kHz
Supply Voltage		3.3		V
Supply Current			15	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (V <sub>cc</sub> )	+5.3V
Absolute Tuning Voltage (V <sub>tune</sub> )	+4.8V

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