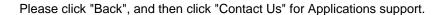
## **Voltage Controlled Oscillator**

## ROS-ED10743A/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: CK605** 

ELECTRICAL SPECIFICATIONS 50Ω					
Parameter	Min.	Тур.	Max.	Units	
Frequency	2120		2204	MHz	
Tuning Voltage		0.5 - 4.5		V	
Power Output		0		dBm	
Phase Noise					
at 1 kHz offset		-80		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		3		MHz	
Pushing at Vcc ± 5%		1.5		MHz/V	
Tuning Sensitivity		32 - 37		MHz/V	
Harmonic Suppression		-15	0	dBc	
3 dB Modulation Bandwidth		180000		kHz	
Supply Voltage		5		V	
Supply Current			25	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	