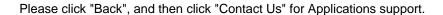
## **Voltage Controlled Oscillator**

## **ROS-ED9398A/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	1850		1990	MHz
Tuning Voltage		1 - 10		V
Power Output		0		dBm
Phase Noise				
at 1 kHz offset		-77		dBc/Hz
at 10 KHz offset		-102		dBc/Hz
at 100 KHz offset		-122		dBc/Hz
at 1000 kHz offset		-142		dBc/Hz
Pulling at 12 dBr PK-PK all phases		4		MHz
Pushing at Vcc ± 5%		1		MHz/V
Tuning Sensitivity		30 - 40		MHz/V
Harmonic Suppression		-30	0	dBc
3 dB Modulation Bandwidth		166000		kHz
Supply Voltage		5		V
Supply Current			22	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)	+12V		

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