## Engineering Development Model

## Voltage Controlled Oscillator ROS-ED14547/1

## **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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	242		244	MHz
Tuning Voltage	.5		4.5	V
Power Output		4		dBm
Phase Noise				
at 1 kHz offset		-97		dBc/Hz
at 10 KHz offset		-120		dBc/Hz
at 100 KHz offset		-141		dBc/Hz
at 1000 kHz offset		-161		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.2		MHz
Pushing at Vcc ± 5%		0.1		MHz/V
Tuning Sensitivity		3-5		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		57,000		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)	+6V	
Absolute Tuning Voltage (Vtune)	+6V	

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



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