

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED6337/4

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 : CH513

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	800		870	MHz
Tuning Voltage	0.2		4	V
Power Output		+2		dBm
Phase Noise				
at 1 kHz offset		-82		dBc/Hz
at 10 KHz offset		-103		dBc/Hz
at 100 KHz offset		-123		dBc/Hz
at 1000 kHz offset		-142		dBc/Hz
Pulling at 12 dBm PK-PK all phases		5		MHz
Pushing at Vcc=5V±0.25V		2		MHz/V
Tuning Sensitivity		22 - 33		MHz/V
Harmonic Suppression		-18		dBc
3 dB Modulation Bandwidth		2000		kHz
Supply Voltage		4.5		V
Supply Current			12	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+6.5V
Absolute Tuning Voltage (Vtune)	+6V

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