Engineering Development Model

Voltage Controlled Oscillator ROS-ED13647/1

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	1250		2050	MHz
Tuning Voltage	3		18	V
Power Output		10		dBm
Phase Noise				
at 1 kHz offset		-73		dBc/Hz
at 10 KHz offset		-100		dBc/Hz
at 100 KHz offset		-121		dBc/Hz
at 1000 kHz offset		-143		dBc/Hz
Pulling at 12 dBr PK-PK all phases		4.00		MHz
Pushing at Vcc ± 5%		0.40		MHz/V
Tuning Sensitivity		52-87		MHz/V
Harmonic Suppression		-25		dBc
3 dB Modulation Bandwidth		92,000		kHz
Supply Voltage		10		V
Supply Current			30	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+12V
Absolute Tuning Voltage (Vtune)	+20V

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