Engineering Development Model

Voltage Controlled Oscillator ROS-EDR4761/14

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	847		1186	MHz
Tuning Voltage	0.5		14	V
Power Output		+2		dBm
Phase Noise				
at 1 kHz offset		-85		dBc/Hz
at 10 KHz offset		-107		dBc/Hz
at 100 KHz offset		-130		dBc/Hz
at 1000 kHz offset		-147		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.75		MHz
Pushing at Vcc=5V±0.25V		1.1		MHz/V
Tuning Sensitivity		21.5 - 31.5		MHz/V
Harmonic Suppression		-26	-9	dBc
3 dB Modulation Bandwidth		11000		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)	+16V

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