

Engineering Development Model

Voltage Controlled Oscillator

ROS-EDR6145

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. This model is not yet released to the Catalog. Upon 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	1220		1720	MHz
Tuning Voltage	0.5		5	V
Power Output		+3		dBm
Phase Noise				
at 1 kHz offset		-68		dBc/Hz
at 10 KHz offset		-93		dBc/Hz
at 100 KHz offset		-114		dBc/Hz
at 1000 kHz offset		-134		dBc/Hz
Pulling at 12 dBm PK-PK all phases		8		MHz
Pushing at Vcc=5V±0.25V		5		MHz/V
Tuning Sensitivity		100 - 200		MHz/V
Harmonic Suppression		-11.5		dBc
3 dB Modulation Bandwidth		60000		kHz
Supply Voltage		5		V
Supply Current			20	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)	+7V

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