

Engineering Development Model

Voltage Controlled Oscillator

ROS-EDR5968

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	324		548	MHz
Tuning Voltage	0.5		18	V
Power Output		+5.5		dBm
Phase Noise	at 1 kHz offset	-82		dBc/Hz
	at 10 KHz offset	-107		dBc/Hz
	at 100 KHz offset	-132		dBc/Hz
	at 1000 kHz offset	-146		dBc/Hz
Pulling at 12 dB _r PK-PK all phases		6		MHz
Pushing at V _{cc} =5V±0.25V		1.5		MHz/V
Tuning Sensitivity		7 - 21		MHz/V
Harmonic Suppression		-27.5	-16	dBc
3 dB Modulation Bandwidth		4500		kHz
Supply Voltage		12		V
Supply Current			25	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (V _{cc})	+14V
Absolute Tuning Voltage (V _{tune})	+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