

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13518/2

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	1950		3302	MHz
Tuning Voltage	1		24	V
Power Output		8		dBm
Phase Noise				
at 1 kHz offset		-68		dBc/Hz
at 10 KHz offset		-93		dBc/Hz
at 100 KHz offset		-113		dBc/Hz
at 1000 kHz offset		-133		dBc/Hz
Pulling at 12 dBm PK-PK all phases		10		MHz
Pushing at Vcc ± 5%		5		MHz/V
Tuning Sensitivity		25-40		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		350,000		kHz
Supply Voltage		12		V
Supply Current			40	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+13V
Absolute Tuning Voltage (Vtune)	+26V

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

