

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13966/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	3425		3480	MHz
Tuning Voltage	.5		15	V
Power Output		4		dBm
Phase Noise	at 1 kHz offset	-90		dBc/Hz
	at 10 KHz offset	-113		dBc/Hz
	at 100 KHz offset	-133		dBc/Hz
	at 1000 kHz offset	-153		dBc/Hz
Pulling at 12 dB _r PK-PK all phases		0.5		MHz
Pushing at V _{cc} ± 5%		1.0		MHz/V
Tuning Sensitivity		6-7		MHz/V
Harmonic Suppression		-17		dBc
3 dB Modulation Bandwidth		220,000		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 (V _{cc})	+6V
Absolute Tuning Voltage (V _{tune})	+17V

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

