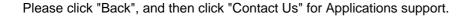
Engineering Development Model

Voltage Controlled Oscillator

ROS-ED8419/4

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.





CASE STYLE: CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	1422		2031	MHz
Tuning Voltage	1		25	V
Power Output		+5		dBm
Phase Noise				
at 1 kHz offset		-77		dBc/Hz
at 10 KHz offset		-103		dBc/Hz
at 100 KHz offset		-123		dBc/Hz
at 1000 kHz offset		-143		dBc/Hz
Pulling at 12 dBr PK-PK all phases		7.5		MHz
Pushing at Vcc=5V±0.25V		0.9		MHz/V
Tuning Sensitivity		14 - 35		MHz/V
Harmonic Suppression		-18		dBc
3 dB Modulation Bandwidth		2500		kHz
Supply Voltage		10		V
Supply Current			30	mA

MAXIMUM RATINGS		
Operating Temperature	-55°C to 85°C	
Storage Temperature	-55°C to 100°C	
Absolute Supply Voltage (Vcc)	+12V	
Absolute Tuning Voltage (Vtune)	+27V	

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