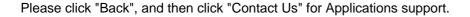
Engineering Development Model

Voltage Controlled Oscillator

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.





ROS-EDR6475

CASE STYLE: CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Тур.	Max.	Units
Frequency	395		415	MHz
Tuning Voltage	0.5		10	V
Power Output		+2.5		dBm
Phase Noise				
at 1 kHz offset		-96		dBc/Hz
at 10 KHz offset		-119		dBc/Hz
at 100 KHz offset		-139		dBc/Hz
at 1000 kHz offset		-157		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.2		MHz
Pushing at Vcc=5V±0.25V		0.2		MHz/V
Tuning Sensitivity		5 - 7		MHz/V
Harmonic Suppression		-23.5	-16	dBc
3 dB Modulation Bandwidth		60000		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 (Vcc)	+7V	
Absolute Tuning Voltage (Vtune)	+12V	

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