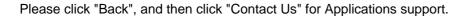
Engineering Development Model

Voltage Controlled Oscillator

ROS-EDR4241/1

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.





CASE STYLE: CK605

ELECTRICAL SPECIFICATIONS 50Ω					
Parameter	Min.	Тур.	Max.	Units	
Frequency	3075		3250	MHz	
Tuning Voltage	0.8		4.8	V	
Power Output		-1		dBm	
Phase Noise					
at 1 kHz offset		-61		dBc/Hz	
at 10 KHz offset		-90		dBc/Hz	
at 100 KHz offset		-112		dBc/Hz	
at 1000 kHz offset		-133		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		20		MHz	
Pushing at Vcc=5V±0.25V		2.5		MHz/V	
Tuning Sensitivity		40 - 105		MHz/V	
Harmonic Suppression		-12	-7	dBc	
3 dB Modulation Bandwidth		2000		kHz	
Supply Voltage		5		V	
Supply Current			11	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)	+6.8V	

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