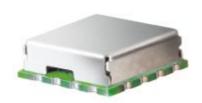
Engineering Development Model

Voltage Controlled Oscillator

ROS-EDR10219

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.	Тур.	Max.	Units	
Frequency	5887		5943	MHz	
Tuning Voltage	0.5		4.5	V	
Power Output		0		dBm	
Phase Noise					
at 1 kHz offset		-67		dBc/Hz	
at 10 KHz offset		-94		dBc/Hz	
at 100 KHz offset		-116		dBc/Hz	
at 1000 kHz offset		-137		dBc/Hz	
Pulling at 12 dBr PK-PK all phases		2.3		MHz	
Pushing at Vcc=5V±0.25V		0.1		MHz/V	
Tuning Sensitivity		51 - 53		MHz/V	
Harmonic Suppression		-23	-15	dBc	
3 dB Modulation Bandwidth		140000		kHz	
Supply Voltage		5		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)	+7V		
Absolute Tuning Voltage (Vtune)	+6.5V		

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

Notes
A. Performance and qualify attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical apecifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
2. The parts overeid by this specification document are subject to Mini-Circuit's standard limited warranty and terms and conditions (collectively, "Standard Terms"): Purchasers of this part are entitled to the injuries and benefits contained thems. For a full statement of the Standard Terms, and the exclusive rights and remodes thresunder, please with Mini-Circuits' website at www.minicircuits.com/MCLStore-terms.jp;