

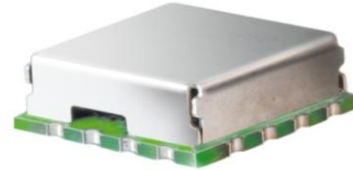
## Engineering Development Model

### Voltage Controlled Oscillator

ROS-EDR9609/2

#### 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.



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CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	3.18		3.69	MHz
Tuning Voltage	1		6	V
Power Output		0		dBm
Phase Noise				
at 1 kHz offset		-90		dBc/Hz
at 10 KHz offset		-119		dBc/Hz
at 100 KHz offset		-147		dBc/Hz
Pulling at 12 dBm PK-PK all phases		19.8		kHz
Pushing at Vcc=12V±0.6V		39.4		kHz/V
Tuning Sensitivity		197 - 213		kHz/V
Harmonic Suppression		-57	-41	dBc
Supply Voltage		12		V
Supply Current			38	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+14V
Absolute Tuning Voltage (Vtune)	+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

#### Notes

- A. Performance and quality 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 specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.  
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