

Engineering Development Model

Voltage Controlled Oscillator

SOS-EDR11144

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 : FZ802

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1600		1600	MHz
Tuning Voltage	0.5		10.0	V
Power Output		+2		dBm
Phase Noise				
at 1 kHz offset		-89		dBc/Hz
at 10 KHz offset		-112		dBc/Hz
at 100 KHz offset		-133		dBc/Hz
at 1000 kHz offset		-153		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.2		MHz
Pushing at Vcc=5V±0.25V		0.1		MHz/V
Tuning Sensitivity		7		MHz/V
Harmonic Suppression		-19	-11	dBc
3 dB Modulation Bandwidth		190000		kHz
Supply Voltage		5		V
Supply Current			35	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

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.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCStore/terms.jsp