

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED14010/2

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	1734		1738	MHz
Tuning Voltage	.5		10.5	V
Power Output		6		dBm
Phase Noise				
at 1 kHz offset		-99		dBc/Hz
at 10 KHz offset		-124		dBc/Hz
at 100 KHz offset		-144		dBc/Hz
at 1000 kHz offset		-164		dBc/Hz
Pulling at 12 dB PK-PK all phases		0.40		MHz
Pushing at Vcc ± 5%		0.30		MHz/V
Tuning Sensitivity		3-4		MHz/V
Harmonic Suppression		-22		dBc
3 dB Modulation Bandwidth		135,000		kHz
Supply Voltage		10		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)	+11V
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



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site www.minicircuits.com



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IF/RF MICROWAVE COMPONENTS



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