

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED16023/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : CK605

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1500		1780	MHz
Tuning Voltage	0.4		4.7	V
Power Output		6		dBm
Phase Noise				
at 1 kHz offset		-70		dBc/Hz
at 10 KHz offset		-98		dBc/Hz
at 100 KHz offset		-118		dBc/Hz
at 1000 kHz offset		-138		dBc/Hz
Pulling at 12 dBm PK-PK all phases		6		MHz
Pushing at $V_{cc} \pm 5\%$		1.5		MHz/V
Tuning Sensitivity		90-105		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		120,000		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 (V_{cc})	+6V
Absolute Tuning Voltage (V_{tune})	+6V

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
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

REV. X1
ROS-ED16023/1
2/7/2013
Page 1 of 1