

Engineering Development Model

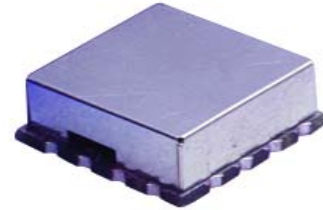
Voltage Controlled Oscillator

ROS-EDR5624

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability.

This model is not yet released to the Catalog. Upon 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	1826		2764	MHz
Tuning Voltage	1		28	V
Power Output		+6		dBm
Phase Noise				
at 1 kHz offset		-74		dBc/Hz
at 10 KHz offset		-101		dBc/Hz
at 100 KHz offset		-123		dBc/Hz
at 1000 kHz offset		-142		dBc/Hz
Pulling at 12 dBr PK-PK all phases		9.5		MHz
Pushing at Vcc=5V±0.25V		0.8		MHz/V
Tuning Sensitivity		20 - 55		MHz/V
Harmonic Suppression		-35	-16	dBc
3 dB Modulation Bandwidth		12100		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)	+12V
Absolute Tuning Voltage (Vtune)	+30V

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