Engineering Development Model

Voltage Controlled Oscillator ROS-ED14840/1

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 : CK1113

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	**Min.**	**Typ.**	**Max.**	**Units**
Frequency	2898		2907	MHz
Tuning Voltage	.5		4.5	V
Power Output		5		dBm
Phase Noise				
at 1 kHz offset		-94		dBc/Hz
at 10 KHz offset		-118		dBc/Hz
at 100 KHz offset		-138		dBc/Hz
at 1000 kHz offset		-158		dBc/Hz
Pulling at 12 dBr PK-PK all phases		.6		MHz
Pushing at Vcc ± 5%		.2		MHz/V
Tuning Sensitivity		4-6		MHz/V
Harmonic Suppression		-15		dBc
3 dB Modulation Bandwidth		191,000		kHz
Supply Voltage		8		V
Supply Current			30	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+10V
Absolute Tuning Voltage (Vtune)	+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