

Engineering Development Model

Voltage Controlled Oscillator

ROS-ED13139/2

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 : CK829

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	3825		4325	MHz
Tuning Voltage	1		18	V
Power Output		8		dBm
Phase Noise	at 1 kHz offset	-69		dBc/Hz
	at 10 KHz offset	-93		dBc/Hz
	at 100 KHz offset	-113		dBc/Hz
	at 1000 kHz offset	-133		dBc/Hz
Pulling at 12 dBm PK-PK all phases		14		MHz
Pushing at Vcc ± 5%		2		MHz/V
Tuning Sensitivity		64-72		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		178,000		kHz
Supply Voltage		10		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)	+12V
Absolute Tuning Voltage (Vtune)	+20V

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

