

Engineering Development Model

Voltage Controlled Oscillator

ROSA-ED9046C/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.



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CASE STYLE : DU674

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	889		983	MHz
Tuning Voltage	1		20	V
Power Output		+8		dBm
Phase Noise				
at 1 kHz offset		-92		dBc/Hz
at 10 KHz offset		-120		dBc/Hz
at 100 KHz offset		-140		dBc/Hz
at 1000 kHz offset		-158		dBc/Hz
Pulling at 12 dB _r PK-PK all phases		0.7		MHz
Pushing at V _{cc} ±5%		0.4		MHz/V
Tuning Sensitivity		2 - 18		MHz/V
Harmonic Suppression		-17		dBc
3 dB Modulation Bandwidth		19000		kHz
Supply Voltage		12		V
Supply Current			25	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (V _{cc})	+14V
Absolute Tuning Voltage (V _{tune})	+22V

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