

Engineering Development Model

Voltage Controlled Oscillator

ROSA-ED9946A/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 : 99-01-481

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1834		1860	MHz
Tuning Voltage	1		10	V
Power Output		+6		dBm
Phase Noise				
at 1 kHz offset		-87		dBc/Hz
at 10 KHz offset		-113		dBc/Hz
at 100 KHz offset		-133		dBc/Hz
at 1000 kHz offset		-150		dBc/Hz
Pulling at 12 dBr PK-PK all phases		1.7		MHz
Pushing at Vcc ± 5%		7		MHz/V
Tuning Sensitivity		4 - 7		MHz/V
Harmonic Suppression		-20		dBc
3 dB Modulation Bandwidth		2800		kHz
Supply Voltage		11		V
Supply Current			40	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (Vcc)	+13V
Absolute Tuning Voltage (Vtune)	+12V

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