

Engineering Development Model

Voltage Controlled Oscillator

POS-ED4783A/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 : C145

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	134		175	MHz
Tuning Voltage	1		18	V
Power Output		+5		dBm
Phase Noise				
at 1 kHz offset		-94		dBc/Hz
at 10 KHz offset		-122		dBc/Hz
at 100 KHz offset		-145		dBc/Hz
at 1000 kHz offset		-159		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.05		MHz
Pushing at Vcc=5V±0.25V		0.03		MHz/V
Tuning Sensitivity		1.5 - 3		MHz/V
Harmonic Suppression		-35		dBc
3 dB Modulation Bandwidth		2000		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 (Vcc)	+14V
Absolute Tuning Voltage (Vtune)	+20V

PIN CONNECTIONS	
RF OUT	10
VCC	14
V-TUNE	14
GROUND	1,2,3,4,9,12,15,16