

Engineering Development Model

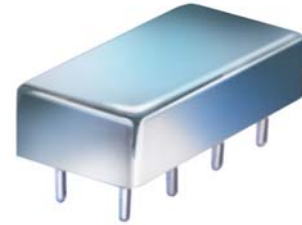
Voltage Controlled Oscillator

POS-ED9503A/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 : A06

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	70		100	MHz
Tuning Voltage	1		10	V
Power Output		+7		dBm
Phase Noise				
at 1 kHz offset		-88		dBc/Hz
at 10 KHz offset		-110		dBc/Hz
at 100 KHz offset		-130		dBc/Hz
at 1000 kHz offset		-150		dBc/Hz
Pulling at 12 dBr PK-PK all phases		0.5		MHz
Pushing at Vcc=5V±0.25V		1		MHz/V
Tuning Sensitivity		5 - 10		MHz/V
Harmonic Suppression		-18		dBc
3 dB Modulation Bandwidth		490		kHz
Supply Voltage		5		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)	+7V
Absolute Tuning Voltage (Vtune)	+12V

PIN CONNECTIONS	
RF OUT	10
VCC	14
V-TUNE	8
GROUND	3,4,5,6,7