

Engineering Development Model

Voltage Controlled Oscillator

ZOS-ED10431/1

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 : BR386

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	1250		1350	MHz
Tuning Voltage	0		10	V
Power Output		+8		dBm
Phase Noise	at 1 kHz offset	-74		dBc/Hz
	at 10 KHz offset	-99		dBc/Hz
	at 100 KHz offset	-120		dBc/Hz
	at 1000 kHz offset	-140		dBc/Hz
Pulling at 12 dB _r PK-PK all phases		0.02		MHz
Pushing at V _{cc} =5V±0.25V		1.6		MHz/V
Tuning Sensitivity		20 - 25		MHz/V
Harmonic Suppression		-35		dBc
3 dB Modulation Bandwidth		8500		kHz
Supply Voltage		12		V
Supply Current			140	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})	+12V

PIN CONNECTIONS	
VCC	1
V-TUNE	2
MAIN RF OUTPUT	3
AUX RF OUTPUT	4