

Engineering Development Model

Voltage Controlled Oscillator

JTOS-ED10180/1

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 : BK377

ELECTRICAL SPECIFICATIONS 50Ω				
Parameter	Min.	Typ.	Max.	Units
Frequency	80		145	MHz
Tuning Voltage	1		16	V
Power Output		+7		dBm
Phase Noise	at 1 kHz offset	-85		dBc/Hz
	at 10 KHz offset	-107		dBc/Hz
	at 100 KHz offset	-127		dBc/Hz
	at 1000 kHz offset	-147		dBc/Hz
Pulling at 12 dB _r PK-PK all phases		0.8		MHz
Pushing at V _{cc} =5V±0.25V		0.3		MHz/V
Tuning Sensitivity		6 - 8		MHz/V
Harmonic Suppression		-25		dBc
3 dB Modulation Bandwidth		100		kHz
Supply Voltage		10		V
Supply Current			15	mA

MAXIMUM RATINGS	
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 100°C
Absolute Supply Voltage (V _{cc})	+12V
Absolute Tuning Voltage (V _{tune})	+18V

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