

Engineering Development Model

Voltage Controlled Oscillator

JTOS-ED8861/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : BK377

ELECTRICAL SPECIFICATIONS 50Ω

Parameter	Min.	Typ.	Max.	Units
Frequency	1449		1728	MHz
Tuning Voltage	0.5		6	V
Power Output		+12		dBm
Phase Noise				
at 1 kHz offset		-74		dBc/Hz
at 10 KHz offset		-102		dBc/Hz
at 100 KHz offset		-122		dBc/Hz
at 1000 kHz offset		-142		dBc/Hz
Pulling at 12 dBm PK-PK all phases		9		MHz
Pushing at Vcc=5V±0.25V		0.6		MHz/V
Tuning Sensitivity		40 - 100		MHz/V
Harmonic Suppression		-29		dBc
3 dB Modulation Bandwidth		12000		kHz
Supply Voltage		12		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)	+14V
Absolute Tuning Voltage (Vtune)	+8V

PIN CONNECTIONS

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