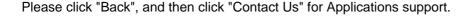
Engineering Development Model

Voltage Controlled Oscillator

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.





CASE STYLE: BK377

JTOS-EDR4086

ELECTRICAL SPECIFICATIONS 50Ω Parameter Min. Тур. Max. Units Frequency 210 410 MHz **Tuning Voltage** ٧ 16 **Power Output** dBm +8 **Phase Noise** at 1 kHz offset -81 dBc/Hz at 10 KHz offset dBc/Hz -102 at 100 KHz offset dBc/Hz -122 at 1000 kHz offset dBc/Hz -145 Pulling at 12 dBr PK-PK all phases 0.5 MHz Pushing at Vcc=5V±0.25V 0.4 MHz/V **Tuning Sensitivity** 11 - 20 MHz/V **Harmonic Suppression** -26 -18 dBc 3 dB Modulation Bandwidth 90 kHz **Supply Voltage** ٧ 12 **Supply Current** 16 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)	+18V

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