

Features

Low Aging at 40 MHz
Typical Phase Noise -136 dBc/Hz at 1 KHz offset
Rugged DIP Package
Very good Temperature Stability
HCMOS Output

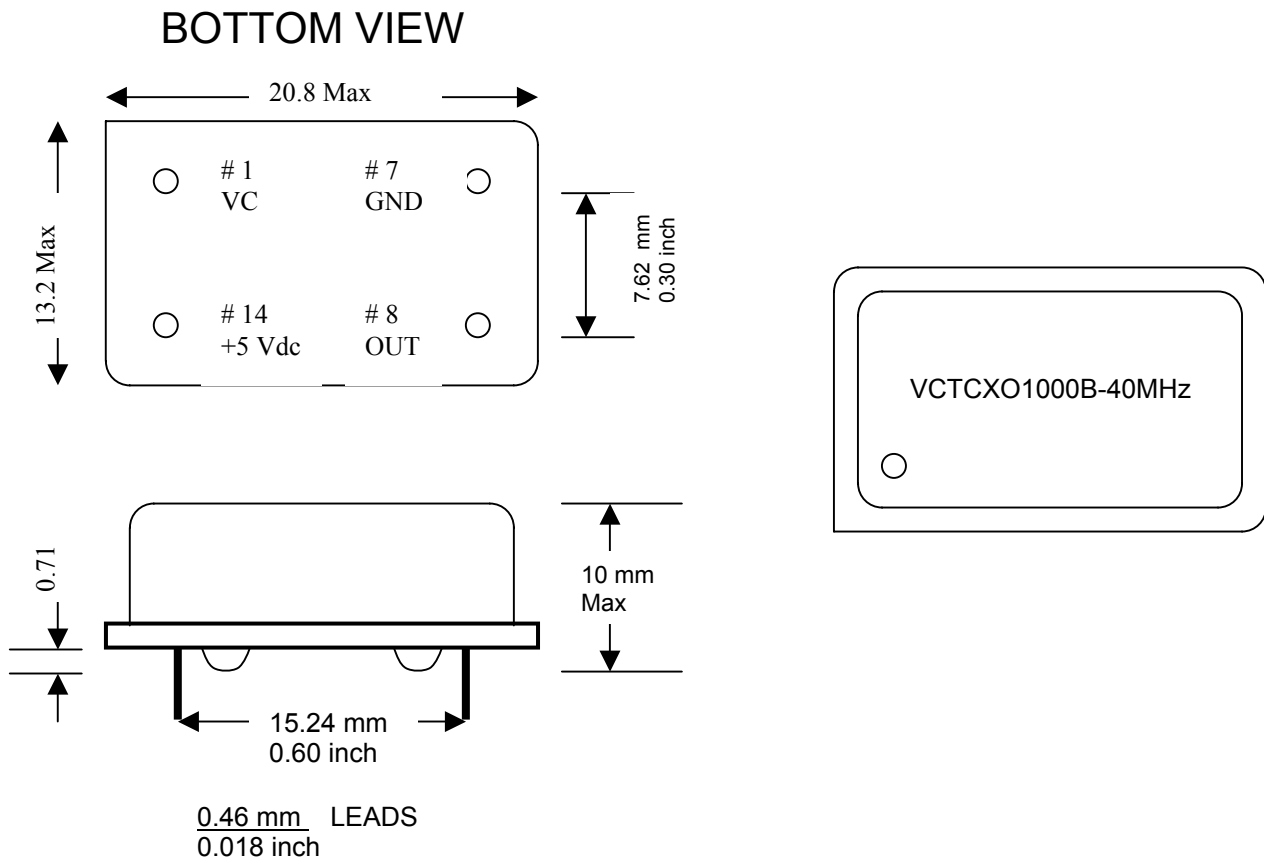
Picture of Part



Typical Applications

Test Equipments
Mobile Radio
SATCOM Equipment

Mechanical Drawing and PIN Connection



Specification

Frequency:	40 MHz
Supply Voltage:	+3.3 Vdc \pm 10%
Input Current:	35 mA maximum
Output:	HCMOS
Tr & Tf:	<10 ns (.5 to 2.5 Vdc)
Stability Vs. Temp: Peak to Peak	\pm 1.0 ppm -20°C to +70°C
Operational:	-40°C to +85°C
Voltage Tune: (0.25 to +3.3 Vdc) relative to nominal at +30°C	\pm 5 ppm Minimum
Slope:	Positive
Phase noise:	-136 dBc at 1 KHz
Spurs:	50 dB down (min.)
Aging:	<1.0 ppm/1st year <5.0 ppm/10 years ¹
1) Projected aging based on continuous operation at an average of 40°C	
STORAGE:	-45°C to +90°C
THERMAL SHOCK:	MIL-STD-202F Method 107 Cond A -40°C to +85°C
VIBRATION:	MIL-STD-202F Method 204 Cond B
SHOCK:	MIL-STD-202 Method 213 Cond J
PACKAGE:	13.2 x 20.8 x 10 mm
SOLDER HEAT:	IEC68-2-20A 260 \pm 15°C for 10 \pm 1 sec