

Typical Applications

*PCS Base Stations
Land Mobile Radio
Cellular Telephony
Radio in the Local Loop
Test Equipment
Avionics*

Features

*High Frequency
Mechanical Control, EFC Optional
Standard 4-Pin DIP Package
Compact Size*

Frequency Range

>30 MHz – 200 MHz

Parameters

		Model Numbers	
		Clipped Sine Wave (1 Vpp min. into 1kΩ)	Square Wave (CMOS)
Operating Temperature Range	0...50°C	956WAB 956WAD	956WHAB 956WHAD
	0.....70°C	956WDE 956WDF	956WHDE 956WHDF
Frequency Stability (ppm)	-20....+70°C	956WBD 956WBE	956WHBD 956WHBE
	-30....+70°C	956WCD 956WCE	956WHCD 956WHCE
Frequency Stability (ppm)	-40....+85°C	956WED 956WEE	956WHED 956WHEE

Note: Model 956 custom versions available with output waveforms of ACMOS, SINE, ECL & PECL

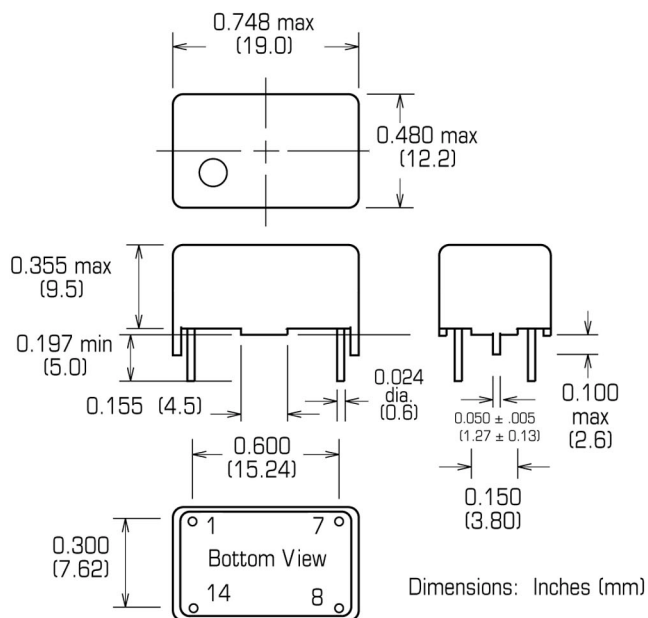
Additional Parameters

Supply Voltage: +5 Vdc ± 5%
 Current
 Clipped Sinewave: 2 mA to 6 mA
 CMOS: 10 mA to 15 mA
 Aging: ± 3 ppm, first year
 ± 1 ppm/year thereafter
 Mechanical Frequency Control: ± 3.5 ppm min.
 Electrical Frequency Control
 Voltage Range: 0.5 to 4.5 Vdc
 Deviation: ± 8 ppm min.
 (others available)
 Slope: Positive
 Input Impedance: > 10 kohms

Typical Phase Noise @ 40 MHz

1Hz Offset <- 55 dBc / Hz
 10Hz Offset <-90 dBc / Hz
 100Hz Offset <-120 dBc / Hz
 1kHz Offset <-140dBc / Hz
 10kHz Offset <-150dBc / Hz

Enclosure



PIN CONNECTIONS

- 1 – EFC (must be specified; See Ordering page) , or N/C
- 7 – GND
- 8 – RF Output
- 14 – Supply Voltage

Model	EFC	Waveshape Freq. Stab. Temp. Range	Package Code	Frequency
956	Blank = No EFC V= EFC Option	WHAB	T = Through-hole	40M00000

* Typical P/N = 956VHABT40

Note: Package is non-hermetic