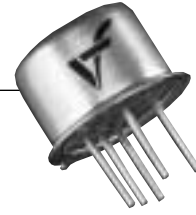
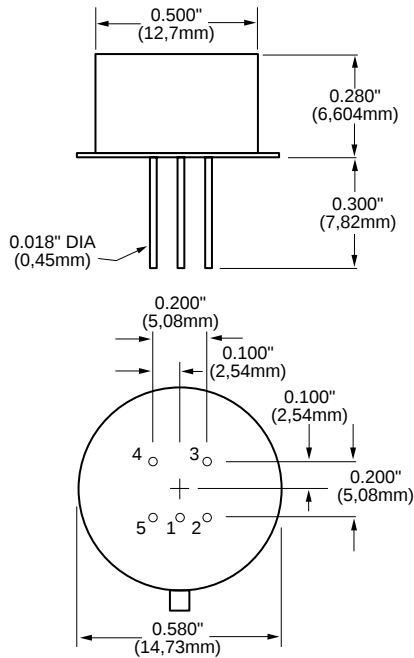


VF37SC Series

SC Cut Crystal
in TO-8 Package

FEATURES

- Very tight calibration
- Competitively priced
- Pre-Aged



All dimensions are typical, in inches (mm). Pin numbers are for reference only, and not marked on device. Pin locations are shown as viewed from the bottom of the package.

Also available in "slim" (0.160") package

	Parameter	Symb	Condition	Min	Typ	Max	Unit	Note
Crystal Specifications	Storage Temp.	T _s		−55		125	°C	
	Frequency	F			10.000		MHz	1
	Drive Level					400	μW	
	Cut, Mode	SC, 3rd overtone						
	Calibration		@ 80°C			±1.5	ppm	Customer Specified
	Frequency/ Temp. Slope	ΔF/F/°C	Series; @ Turnover			±0.2	ppb	
	Aging	ΔF/F	per day per year			±0.5 ±0.1	ppb ppm	After 30 days, drive level <50μW
	Static or Shunt Capacitance	C ₀			1.6		pF	2
	Motional Capacitance	C ₁			0.16			2
	Motional Resistance	R ₁			120	150	Ohm	2
	Motional Inductance	L ₁			1.6		H	2
	G-sensitivity		Worst direction			1	ppb/G	
Environmental and Mechanical	Storage Temp. Range		−55°C to 125°C					
	Operating Temp. Range		−40°C to 90°C					
	Mechanical Shock		Per MIL-STD-202, 30G, 11ms					
	Vibration		Per MIL-STD-202, 5G, 10 to 2000Hz					
	Soldering Conditions		260°C, for 10s, Max., leads only					
	Hermetic Seal		Leak rate less than 1 x 10 ^{−8} atm.cc/s of helium					
Electrical Connections	Pin Out		Pin #1-Case Pin #3-XTAL Pin #5-XTAL Pin #2-Open Pin #4-Open					

Notes:

1. Available in frequency range 8 to 20 MHz.
2. Typical motional parameters: specified at 10 MHz.

All specifications are subject to change without notice.