



# CS-034 3.2x2.5mm Crystal Resonator



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## Description:

The Connor-Winfield model CS-034 is fundamental, AT-cut, 40MHz quartz crystal resonator in a 3.2x2.5mm surface mount package. The CS-034 is designed to be used as a reference crystal in synthesizer applications.

## Features:

**Model: CS-034**  
40.0 MHz  
Frequency Stability: +/-50 ppm  
Temperature Range: -40 to 85°C  
Surface Mount Package  
Tape and Reel Packaging  
RoHS Compliant / Lead Free

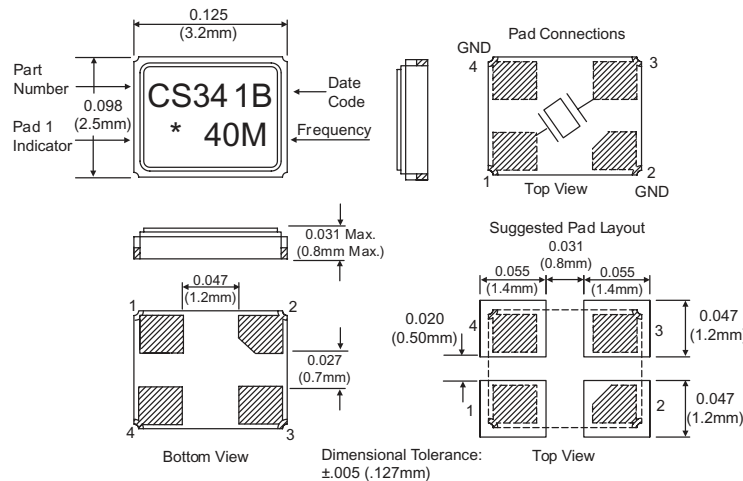
## Electrical Specifications

Parameter	Minimum	Nominal	Maximum	Units	Notes
Output Frequency	-	40.0	-	MHz	
Operation Mode	Fundamental				
Cut	AT Cut				
Frequency Calibration (@25 ±3°C)	-30	-	30	ppm	
Frequency Stability vs. Temp	-50	-	50	ppm	
Operating Temperature Range:	-40	-	85	°C	
Load Capacitance: (CL)	-	10	-	pF	
Equivalent Series Resistance:	-	-	25	Ohms	
Drive Level	-	-	100	uW	
Insulation Resistance	500	-	-	Mohm	@ 100 Vdc
Aging	-	-	±3	ppm/Year	

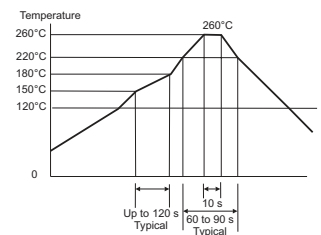
## Package Characteristics

Package	Hermetically sealed ceramic 3.2x2.5mm SMD Package.				
Storage Temperature:	-55	-	125	°C	
Ordering Information:	CS-034-040.0M				

## Package Outline

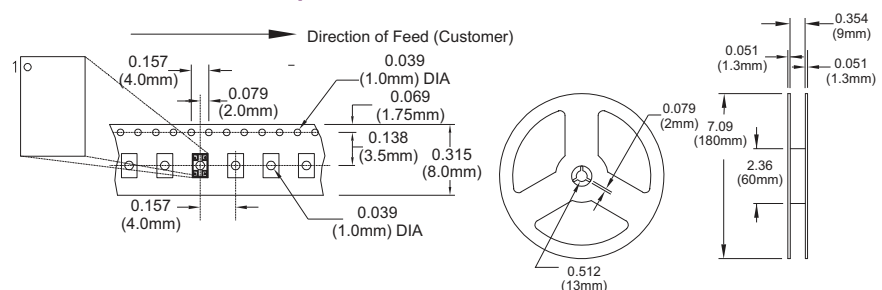


## Solder Profile



Dimensional Tolerance:  
±.005 (.127mm)

## Tape and Reel Information



Bulletin **Xt292**  
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Revision **01**  
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