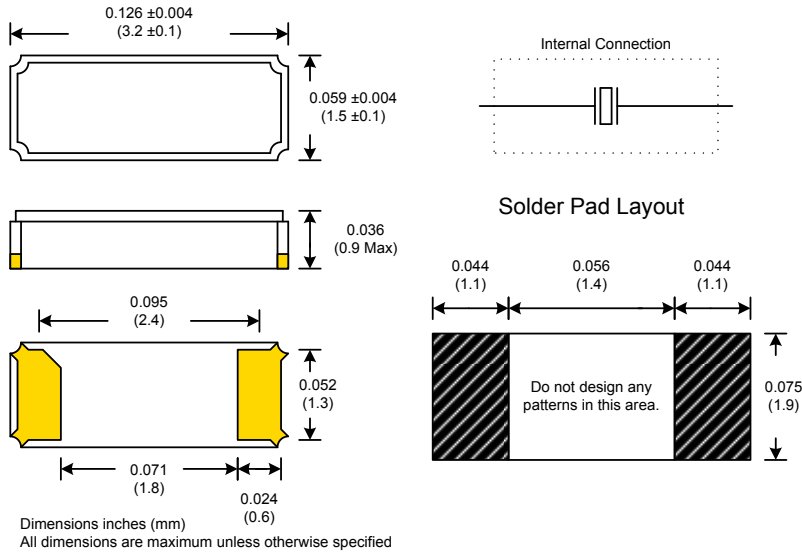


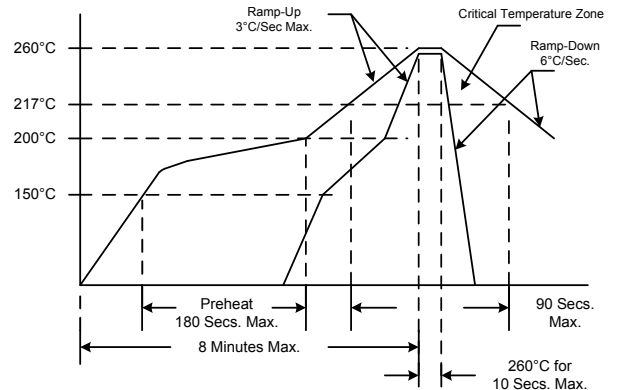


## C153-SMD Model 32.768KHz SMD Package



Crystal package to meet today's demand for pick and place processing. Available on tape and reel in quantities of 3K for SMT placement.

### RECOMMENDED REFLOW SOLDERING PROFILE



## Crystal Specifications

### Electrical:

Frequency: 32.768 KHz  
 Mode: Tuning Fork  
 Load Cap: 12.5pF (See Table 1)  
 Calibration Tolerance: ±20ppm at 25°C  
 Stability: -0.035 ±0.006ppm/±C<sup>2</sup>  
 (See Chart 1)  
 Operating Temp. range: -40 to 85°C  
 Storage Temp. range: -55 to 125°C  
 Resistance: 70K Ω Max  
 Shunt Cap: 1.05pF Typ.

Aging: ±3ppm Max first year  
 Drive level: 1uW Max  
 Quality Factor: 30K Typ.  
 Spurious Response: Not Specified  
 C0/C1 Ratio: Not Specified  
 Pullability: Not Specified  
 Trim Sensitivity: Not Specified  
 Temp. Coefficient: Not Specified  
 Type/Angle of Quartz Cut: Not Specified  
 Insulation Resistance: 500 Megaohms Min at 100Vdc

Load Cap Options	
Load Cap	Part Number
12.5pF	C153-SMD
9.0pF	C153-9-SMD
7.0pF	C153-7-SMD

Table 1

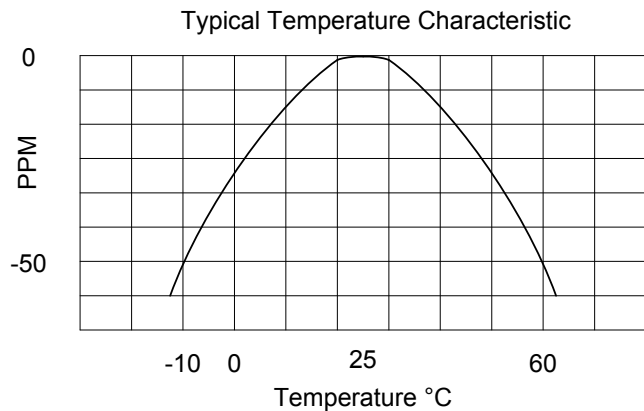


Chart 1