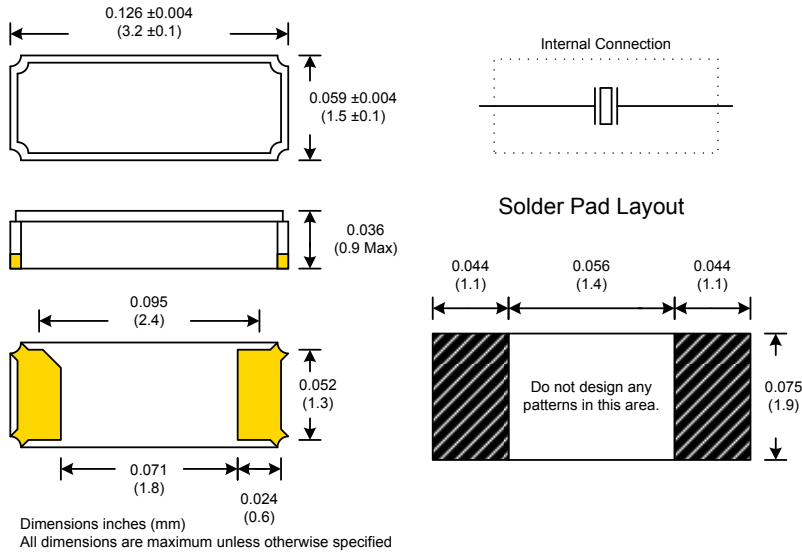


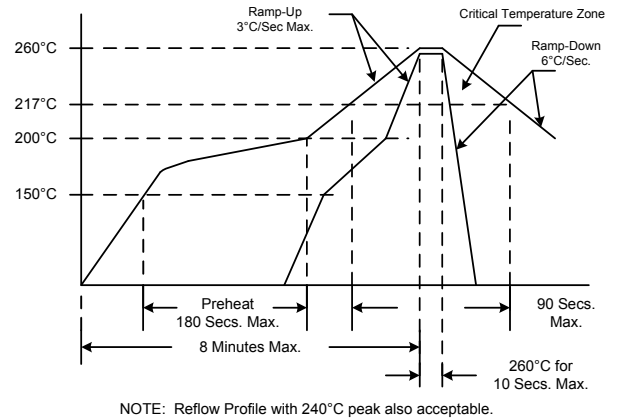


C153-SMD Model 32.768KHz SMD Package



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: ± 20 ppm at 25°C
 Stability: -0.035 ± 0.006 ppm/ $\pm C^2$
 (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: ± 3 ppm 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

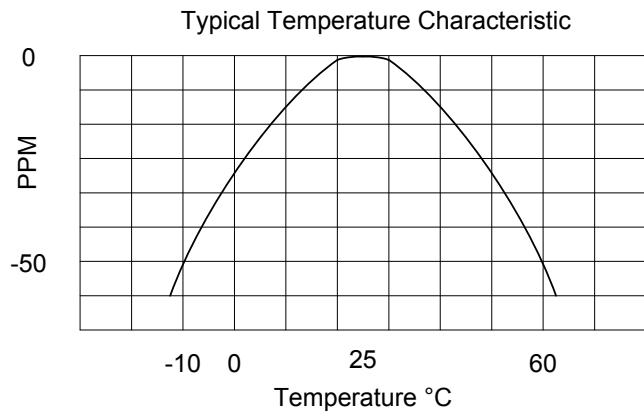


Chart 1

TD-060803 Rev. B