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Storage Sensitive Material Technical Note and Soldering profile for components with Silver Leads/Pads

Abstract:

This technical note applies to components that require storage in Vacuum Sealed Bags due to Silver Platinum (AgPt) terminations or contacts.

Storage:

Silver Leaded components should not be exposed to moisture and air contaminants, such as sulfur and chlorine, which may adversely affect device solderability and electrical performance

The appearance of lead/pad tarnish can range from a slight discoloration of the leads to leads turning completely black.

Vacuum packaging is **mandatory** if device soldering will not occur within 168 hours after opening the Johanson Technology vacuum pack. If *cumulative* exposure outside a vacuum sealed container is 168 hours or longer, it may adversely affect the components' solderability and electrical performance; therefore, AgPt leaded parts require vacuum sealing during periods of storage. It is recommended that a control log of exposure to air be maintained.

As preventative measure, a desiccant is placed at the bottom corner of every vacuum sealed bag at time of shipment.

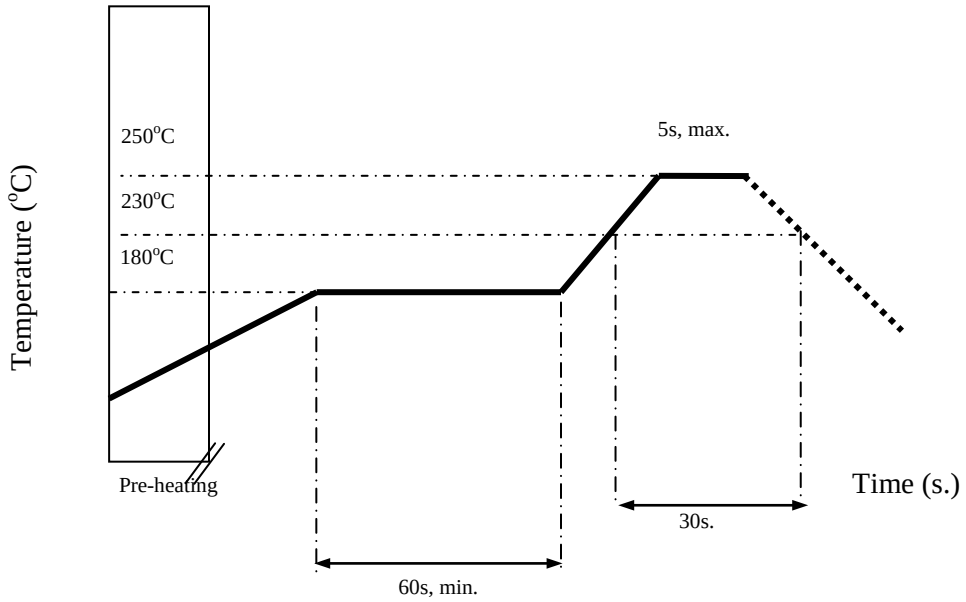
A Caution label (Figure 1) is placed on the outside of the vacuum bag and on the reel to make the user aware of the special handling and storage conditions.

Figure 1

Soldering Profile:

Typical Soldering Profile for Solderable Silver (Ag) Terminated Components:**

Solder Profile



**Johanson Technology's P/N's with Solderable silver Terminations. For a list of applicable part numbers go to: http://johansontechnology.com/en/integrated-passives/typical-soldering-profile.html