

# 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.

The shelf life of the *packaged component* is 18 months



Figure 1

**Soldering Profile:**

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

Solder Profile



Impacted parts are listed below:

0892FB15A0100E	0200FA18A0200E	0300LA15A0300E	0400FA15A0400E
0400FA18A0400E	0433BM15A0001	0866BL15C200E	0868BM15C0001
0869LD14A1810T	0869LD14E1810	0870CF16A1810E	0892DP15A1940E
0892DP15B1850E	0892DP15C1940E	0892LP07A0136T	0896BM15A0001E
0898BM15A0002E	0900BL15A100E	0900BL15C050E	0900LD14B2450T
0915BM15A0001	0953BM15A0001E	1000ED18A0001E	1200BP44A575E
1200LP41B0500E	1200LP41C0500E	1810BP07B200T	1900HP41B0500E
1900HP41C0500E	1905BP18A0050E	1906BP18C027E	1906BP39B027E
2345FB39A0050E	2350FB39A0050E	2450BL07A0100T	2450BM14_0007
2450BM15A0015	2450BM15B0009E	2450BP07A0100T	2450BP14C0100T
2450BP14D0100T	2450BP14E0100T	2450BP15E0100E	2450BP15F0100E
2450BP15G0100E	2450BP15J0100E	2450BP15K0100E	2450BP15P0100E
2450BP15Q0100E	2450BP39D100CE	2450BP39D100DE	2450BP39D100E
2450BP39F100AE	2450FB15A0100E	2450HP15A100E	2500BP15M400E
2500FB16A0400E	2500FB39A0050E	2595FB16A0100E	2595FB39A0050E
2600BP14M0200T	3350BP39A0500E	3500FB16A0100E	3500FB39A0050E
3550BP14A0500E	3550FB39B0050E	3600BP14M0600T	3600BP14N0600E
3600BP15M600E	5375BP15A0950	5425BP15A1050	5525BP15B0750E