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

Caution!

This Bag Contains Storage Sensitive Material
This bag contains components with Silver (Ag) Leads

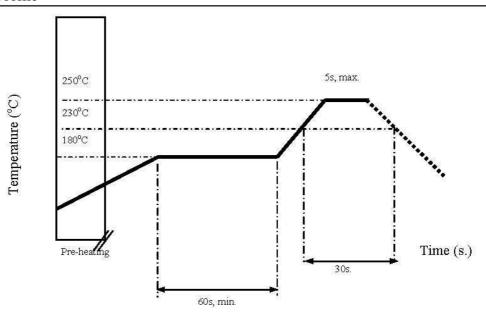
vacuum sealed packaging is required at all times

Cumulative exposure outside a vacuum seal container is 168 hours maximum. Longer exposure may affect device solderability. For more details and instructions: www.johansontechnology.com/silverleads.html

Soldering Profile:

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

Solder Profile



Impacted parts are listed below:

0200FA18A0200E	0300LA15A0300E	0400FA15A0400E
0433BM15A0001	0866BL15C200E	0868BM15C0001
0869LD14E1810	0870CF16A1810E	0892DP15A1940E
0892DP15C1940E	0892LP07A0136T	0896BM15A0001E
0900BL15A100E	0900BL15C050E	0900LD14B2450T
0953BM15A0001E	1000ED18A0001E	1200BP44A575E
1200LP41C0500E	1810BP07B200T	1900HP41B0500E
1905BP18A0050E	1906BP18C027E	1906BP39B027E
2350FB39A0050E	2450BL07A0100T	2450BM14_0007
2450BM15B0009E	2450BP07A0100T	2450BP14C0100T
2450BP14E0100T	2450BP15E0100E	2450BP15F0100E
2450BP15J0100E	2450BP15K0100E	2450BP15P0100E
2450BP39D100CE	2450BP39D100DE	2450BP39D100E
2450FB15A0100E	2450HP15A100E	2500BP15M400E
2500FB39A0050E	2595FB16A0100E	2595FB39A0050E
3350BP39A0500E	3500FB16A0100E	3500FB39A0050E
3550FB39B0050E	3600BP14M0600T	3600BP14N0600E
5375BP15A0950	5425BP15A1050	5525BP15B0750E
	0433BM15A0001 0869LD14E1810 0892DP15C1940E 0900BL15A100E 0953BM15A0001E 1200LP41C0500E 1905BP18A0050E 2350FB39A0050E 2450BM15B0009E 2450BP15J0100E 2450BP39D100CE 2450FB15A0100E 2500FB39A0050E 3350BP39A0500E	0433BM15A0001 0866BL15C200E 0869LD14E1810 0870CF16A1810E 0892DP15C1940E 0892LP07A0136T 0900BL15A100E 0900BL15C050E 0953BM15A0001E 1000ED18A0001E 1200LP41C0500E 1810BP07B200T 1905BP18A0050E 1906BP18C027E 2350FB39A0050E 2450BL07A0100T 2450BM15B0009E 2450BP07A0100T 2450BP14E0100T 2450BP15E0100E 2450BP39D100CE 2450BP39D100DE 2450FB15A0100E 2450HP15A100E 2500FB39A0050E 2595FB16A0100E 350BP39A0500E 3500FB16A0100E 3550FB39B0050E 3600BP14M0600T

Mouser Electronics

Authorized Distributor

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Johanson:

<u>2450BP14C0100T</u> <u>2350FB39A0050E</u> <u>0869LD14A1810T</u> <u>0300LA15A0300E</u> <u>5525BP15B0750E</u> <u>2450BP15K0100E</u> 2450BP39D100DE