

## ALLOY SN54-PB26-IN20

### FEATURES

- High Purity
- Low Melting Temperature (130°C - 149°C)

### DESCRIPTION

Sn54/Pb26/In20 is a high-purity indium-containing alloy that offers a melting point between 130°C - 149°C. This alloy is available is available with a 0.14% dopant of copper designed to increase creep resistance and reduce the copper dissolution of base materials. Typical applications are touch-up, repair, rework, and low temperature solder applications. Sn54/Pb26/In20 is available in solid wire, foil, pre-forms, powder and solder paste.

### IMPURITY LEVELS TO IPC-J-STD-006 IN PERCENT

Impurity Levels To IPC-J-STD-006 In Percent				
Al: 0.005	Au: 0.05	Ag: 0.01	Fe: 0.02	Sb: 0.5
As: 0.03	Bi: 0.10	Cd: 0.002	Ni: 0.01	Zn: 0.003

### MAJOR ALLOY INGREDIENTS IN PERCENT

Sn	Pb	In
54 ± 0.5%	26 ± 0.5%	20 ± 0.5%

### HANDLING & STORAGE

- If this alloy is used in wire solder, the product will have a shelf life of 2 years when stored in environmentally controlled conditions.
- Sn54/Pb26/In20 should be stored in a dry temperature controlled room or in an inert atmosphere.
- Any device used in high humidity applications, or with potential exposure to condensation, should be conformal-coated.
- This product contains lead, which is known to be a toxic element. Consult the Material Safety Data Sheet for specific handling procedures.

### FLUX COMPATIBILITY

Sn54/Pb26/In20 is compatible with most electronic grade fluxes. Indium alloys should never be used with high-halide fluxes, as Indium forms a mono-halide compound very quickly.

### CLEANING

Refer to data sheets provided by flux manufacturer.

### SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Material Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.