

# Lead (Pb)-Free Facts

## 1. Are Skyworks lead (Pb)-free products RoHS compliant?

The products designated by Skyworks as Lead (Pb)-Free conform to the requirements for all substances identified in the European Union's Restrictions on Use of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive, 2002/95/EC including lead (Pb), and are lead (Pb)-free process compatible.

## 2. How are Skyworks lead (Pb)-free products identified?

On the Web site and in our publications, lead (Pb)-free products are clearly labeled.

Many Skyworks lead (Pb)-free products are identified with an "LF" tag added to the part number. As an example, the lead (Pb)-free version of the AS179-92 is the AS179-92LF.

Some of our products were originally designed as lead (Pb)-free, and thus no "LF" tag has been added to the part number.

## 3. Are Skyworks lead (Pb)-free products Green compliant?

As of today, Skyworks has already qualified many of our parts as Green, and are in the process of formally releasing these products. Please refer to the Green Roadmap at [www.skyworksinc.com](http://www.skyworksinc.com). Contact Skyworks for more detailed information about Green Product availability and transition schedules.

While the definition of "Green" is still being finalized for the electronics industry, Skyworks defines Green as: Skyworks Green products are lead (Pb)-free, Restriction of Hazardous Substances (RoHS) compliant, conform to the EIA/EICTA/JEITA Joint Industry Guide (JIG) Level A guidelines, and are free from antimony trioxide, and brominated flame retardants.

## 4. What Skyworks products are currently available in lead (Pb)-free form?

The vast majority of Skyworks products are available lead (Pb)-free. The current list of lead (Pb)-free, RoHS compliant products are available at [www.skyworksinc.com](http://www.skyworksinc.com).

## 5. What are the MSL levels for Skyworks lead (Pb)-free products?

MSL (Moisture Sensitivity Levels) for our lead (Pb)-free products are a product specific parameters and are conveniently listed on the data sheet.

## 6. What is the maximum solder reflow temperature for Skyworks lead (Pb)-free products?

The Maximum Reflow Temperature for our lead (Pb)-free products is product-specific and is listed on the data sheet. The Maximum Reflow Temperature is listed with an associated MSL rating.

### Skyworks Solutions, Inc.

20 Sylvan Road  
Woburn, MA 01801  
USA: (781) 376-3000  
Asia: 852 26558700-722  
Europe: 33 (0)1 41443660  
Fax: (781) 376-3100  
Email: [sales@skyworksinc.com](mailto:sales@skyworksinc.com)  
[www.skyworksinc.com](http://www.skyworksinc.com)