

September 23, 2020

Dear Customers,

Notification of Consolidation of package specifications

We would like to inform you that we will consolidate the package specifications of our products as of the end of march, 2021. We will be able to provide further environmentally friendly products and maintain a stable supply for all contingencies.

[Consolidation of package specifications]

Items	Before		After
	P/N : G	P/N : S	P/N : G / S / U
Solder plating of outer leads	Sn-Bi		Sn100%
Mold compound	Halogen	Halogen free	Halogen free

- * The dimensions, functions, characteristics, quality and reflow profile for mounting on a board are not changed.
- * Please refer to next page fig.(Comparison of specifications).
- * In the "G / S" name, only the SOT-23-3 package is plated with Sn100%.

[Product]

All packages except 8-Pin MSOP/SC-88A/SOT-23-6W/20-Pin TSSOP (Akita Products)

[Effective date]

The end of march, 2021

[Reason for change]

ABLIC Inc. has been promoting to adopt Sn (tin) 100% for the material of outer leads and Halogen free mold compound of our all products considering environmental effect. Bi (bismuth) free products are indispensable in Europe and America, which are taking the global environment into consideration these days. One of the reasons is that Bi is extracted as a by-product of refining Pb (lead). Although the amount of Pb in Sn-Bi solder plating meets the criteria regulated by RoHS Directive, it contains a slightly small amount of Pb. Therefore, we would like to promote to use Sn 100% so that we can deal with the current global situation moreover.

In addition, EU countries strictly restrict halogen materials, such as Cl (chlorine) and Br (bromine), because those materials cause air pollution by emitting dioxin when burned. Semiconductor companies in the world are also promoting to replace halogen compound with halogen free one to eliminate brominated flame retardants.

Accordingly, we decided to use Sn 100% for the material of outer leads and Halogen free mold compound for our all products. We appreciate your fully understanding and cooperation in order to achieve this goal that we provide our customers with environmentally friendly products.

[Part Name]

If you want to change the P/N then please select "U" name.

If you do not want to change P/N then keep the conventional "G/S" name.

If you have any questions, please feel free to contact our sales agents or representatives.

Sincerely,

Yoichi Mimuro
 General Manager
 Quality Assurance Unit
 ABLIC Inc.

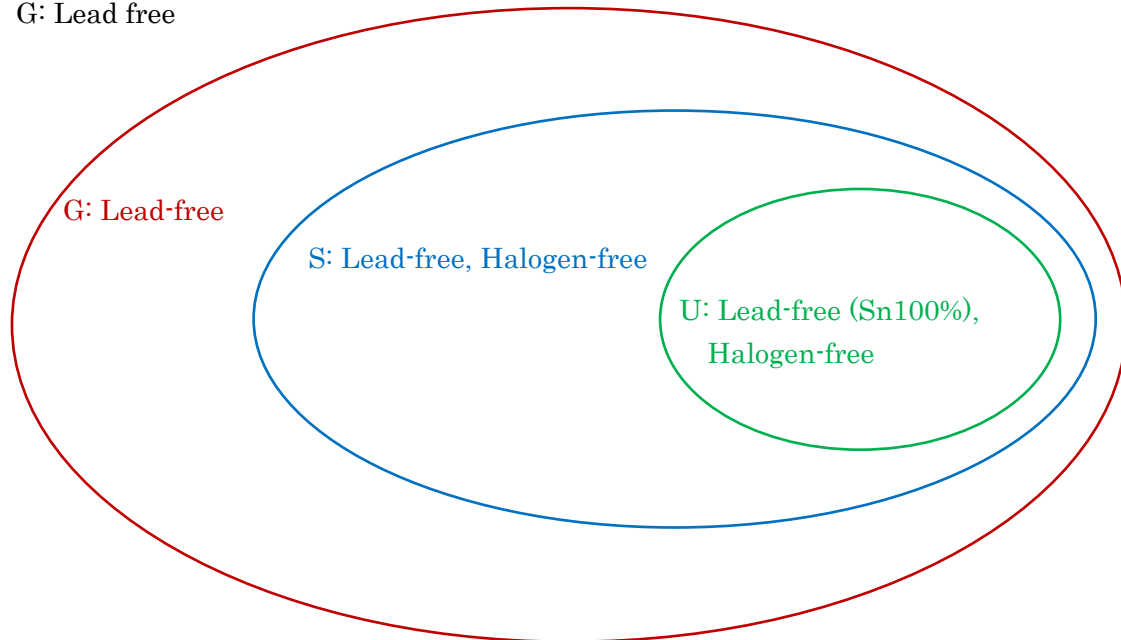
Comparison of specifications

Before: Package specifications are recognized based on the last character of product names (Environmental Code).

U: Lead free (Sn100%), Halogen free

S: Lead free, Halogen free

G: Lead free



After: All products are consolidated into Lead (Pb) free (Sn100%) and Halogen free regardless of the last character of product names (Environmental Code).

