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Packaging Labels

Intro	duction	2
1.	Confirms that the product is RoHS compliant	.3
2.	Pb-free process information	.3
Custo	omer Specific Labels	3



Introduction

With the implementation of the European RoHS directive in July 2006 and the China RoHS phase I requirements in March 2007, Syfer has received numerous RoHS compliance questionnaires with requests for the product status to be displayed on packaging labeling.

With respect to displaying the product status on packaging labeling, customers are generally concerned regarding two issues:

- 1. Is the product RoHS compliant?
- 2. Does the product conform with Pb-free assembly process requirements?

The purpose of this application note is to explain the standard Syfer label format to declare RoHS compliance and Pb-free process information.

Standard Label Format





<u>Notes</u>

1. RoHS compliant symbol

Confirms that the product is RoHS compliant.

2. Pb-free process information.

This section on the label is based on the requirements defined by IPC/ JEDEC J-STD-609A Marking and Labeling of Components, PCBs and PCBAs to Identify Lead (Pb), Pb-Free and Other Attributes.

The information defines:

• The Pb-free termination finish category. Syfer components will typically be labeled with the following (depending on customer order requirements):

e3 - Sn.

e4 - Precious Metal

- That the 2nd level interconnect (refer to IPC/ JEDEC J-STD-609A) terminal finish of components are Pb-free.
- The maximum temperature that the components should attain during assembly.

IPC/ JEDEC J-STD-609A is available at <u>http://www.jedec.org/standards-documents</u>

Customer Specific Labels

Where customers define specific labeling requirements, the RoHS compliant symbol and Pb-free process information will be added onto the label (space permitting) or onto a separate label attached to the packaging.

For further information regarding customer specific labeling requirements then please contact Syfer Sales department at <u>www.knowlescapacitors.com</u>