

**MACOM**

100 Chelmsford Street  
Lowell, MA 01851  
+1 978.656.2500

www.macom.com



**To:** MACOM's Valued Customers

**Subject:** Date Code Policy

MACOM's standard policy is to ship semiconductor products with an assembly date code of 5 years or less. MACOM's warranty period begins at the date of shipment.

Background:

Historically, some electronic component customers have expressed concerns that after a period of time, electronic components are no longer "fresh" and appropriate for use in electronic products. Twenty years ago, there may have been some truth to this perception. However, because of the advances made in IC assembly materials and processes, general date code restrictions are no longer justified.

As the result of advances made in engineering, design, manufacturing technology, handling, and inventory logistics, component shelf life is essentially unlimited (with the exception of moisture sensitive components which are shipped with special labeling and packaging) and component age does not adversely affect performance to product specifications. Product inventoried by MACOM and authorized distributors using industry guidelines for packing and handling is guaranteed to meet the MACOM electrical and mechanical specifications regardless of the date code of the material at the time of shipment.

Moisture Sensitive Components:

The JEDEC industry standard J-STD-020 defines a set of Moisture Sensitivity Level (MSL) ratings used to identify package sensitivity to moisture. The JEDEC industry standard J-STD-033 for moisture management provides a uniform method to ensure devices are protected during handling, packing, shipment, storage, and use.

Specific handling, dry packing, and exposure limits are established for each MSL rating to ensure no manufacturing issues are experienced at the board assembly process.

MACOM adheres to these industry standards for packaging of all our devices.

Warranty:

All products shipped by MACOM are guaranteed to meet published datasheet specifications and industry standard solderability requirements. A Certificate of Compliance (CoC) statement is printed on the packing slip with each shipment.

MACOM's standard warranty applies to all products shipped regardless of the date code of the material at the time of shipment.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert Quigley", is written over a light blue horizontal line.

Robert Quigley

VP, Corporate Quality