Abilis SYSTEMS KUDELSKI GROUP

PRODUCT BULLETIN

ISSUE DATE: 20-09-2011

TITLE: MSL1 Rating for Abilis RF Modulators (AS44CE37x/AS44CC37x)

DESCRIPTION OF CHANGE

Moisture performance rating upgraded from MSL3 to MSL1 on Abilis RF Modulator products family (AS44CE37x/AS44CC37x)

AFFECTED DEVICES

Abilis P/N	Marking
AS44CE373CAEF	ASE373CAEF
AS44CE373CASEF	ASE73CASEF
AS44CE374CAEF	ASE374CAEF
AS44CE374T1AEF	ASE74T1AEF
AS44CE375AVEF	ASE375AVEF
AS44CE375ACEF	ASE375ACEF
AS44CE377CAEF	ASE377CAEF
AS44CC373CAEF	ASC373CAEF
AS44CC373CASEF	ASC73CASEF
AS44CC374CAEF	ASC374CAEF
AS44CC374T1AEF	ASC74T1AEF
AS44CC375AVAEF	ASC375AVEF
AS44CC377CAEF	ASC377CAEF

DESCRIPTION OF CHANGE DETAILS

Abilis RF Modulator products family assembled at the ASE ChungLi production facility were previously qualified to Moisture Sensitivity Level 3 (MSL3) rated to 260℃. They are now qualified to Moisture Sensitivity Level 1 (MSL1) rated to 260℃.

Devices with MSL3 rating must be assembled within 168 hours of opening the reel packaging. Any devices not used within the 168 hours will absorb moisture and require baking for a minimum of 6 hours at 125℃ to drive that moisture out. Devices with MSL1 rating have an unlimited floor life that eliminates need for special handling by the customer.

ANTICIPATED IMPACT OF PRODUCT CHANGE (FORM, FIT, FUNCTION OR RELIABILITY)

This change will affect the MSL labeling on inner boxes. This change will become effective for devices with date code 1140 (i.e. Week#40, 2011) or later. However, customers may continue to receive devices labeled as MSL3 until existing inventory is exhausted.

Remarks:

- All devices will continue to be shipped in same sealed package as of today. No physical changes were made to the product to meet this higher rating and so all product shipped previously with MSL3 rating should be considered MSL1 rating capable.
- There is no need for special change in the handling of the product. And customers can save the baking procedure after package open for more than 168hrs.

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