

PCN: V19-002-48475413-0A

Product Change Notice

Issue Date: 20 September 2019
Change Type:

Product Moisture Sensitivity Level (MSL) reclassification for ChipLED part numbers listed below.

Parts Affected:

 HSMF-C116
 HSMF-P11A
 HSMF-C127

Description and Extent of Change:

Encapsulant material change.



Product with new encapsulant material will be reclassified as MSL 4.













Reasons for Change:

The encapsulant material production was obsoleted.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

There is no change in fit, form and function. Changes in product handling will be reflected in its packaging and new datasheet.

Current Packaging	New Packaging
<div style="border: 1px solid black; padding: 10px; background-color: #f0f0f0;">  <div style="text-align: center;"> <p>CAUTION</p> <p>This bag contains MOISTURE-SENSITIVE DEVICES</p> </div> <div style="float: right; border: 1px solid black; padding: 2px; text-align: center; width: 40px;"> <p>LEVEL 2a</p> </div> <ol style="list-style-type: none"> 1. Calculated shelf life in sealed bag: 12 months at < 40°C and < 90% relative humidity (RH). 2. Peak package body temperature : 260°C 3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must <ol style="list-style-type: none"> a) Mounted within : 672 hours of factory conditions ≤ 30°C/60% b) stored at < 10% RH. 4. Devices require bake, before mounting, if: <ol style="list-style-type: none"> a) Humidity Indicator Card is > 10% when read at 23 ±5°C b) 3a or 3b not met. 5. If baking is required, devices may be baked for 20 hours at 60 ±5°C Note: If device containers cannot be subjected to high temperature or shorter bake times are desired. reference IPC/JEDEC J-STD-033 for bake procedure <p>Bag Seal Date: _____ If Blank, see adjacent bar code label</p> <p>Note: Level and body temperature defined by IPC/JEDEC J-STD-020</p> </div>	<div style="border: 1px solid black; padding: 10px; background-color: #f0f0f0;">  <div style="text-align: center;"> <p>CAUTION</p> <p>This bag contains MOISTURE-SENSITIVE DEVICES</p> </div> <div style="float: right; border: 1px solid black; padding: 2px; text-align: center; width: 40px;"> <p>LEVEL 4</p> </div> <ol style="list-style-type: none"> 1. Calculated shelf life in sealed bag: 12 months at < 40°C and < 90% relative humidity (RH). 2. Peak package body temperature : 260°C 3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must <ol style="list-style-type: none"> a) Mounted within : 72 hours of factory conditions < 30°C/60% b) stored at < 10% RH. 4. Devices require bake, before mounting, if: <ol style="list-style-type: none"> a) Humidity Indicator Card is > 10% when read at 23 ±5°C b) 3a or 3b not met. 5. If baking is required, devices may be baked for 20 hours at 60 ±5°C Note: If device containers cannot be subjected to high temperature or shorter bake times are desired. reference IPC/JEDEC J-STD-033 for bake procedure <p>Bag Seal Date: _____ If Blank, see adjacent bar code label</p> <p>Note: Level and body temperature defined by IPC/JEDEC J-STD-020</p> </div>

Current Packaging		New Packaging	
VT8C0002E 	ITEM DESC: L50008 (1P)P/N: DC: 1932  LOT: Fab/Bump: COO: TW  Wafer Lot: (Q)QTY: Seal Date: 12-AUG-2019  RoHS Exempt, Halogen Free MAX TEMP: 260C ZLI CAT: e4 MSL 2a (P)Customer Item: DeptID: CMCLED  CAT: BIN: VF: 	VT8C0002E 	ITEM DESC: L50008 (1P)P/N: DC: 1932  LOT: Fab/Bump: COO: TW  Wafer Lot: (Q)QTY: Seal Date: 12-AUG-2019  RoHS Exempt, Halogen Free MAX TEMP: 260C ZLI CAT: e4 MSL 4 (P)Customer Item: DeptID: CMCLED  CAT: BIN: VF: 

Effective Date of Change:

Shipment will contain parts with new MSL rating starting 20th March 2020.

Qualification Data:

Reliability data will be provided upon request.

These changes have been reviewed and approved by Broadcom Limited engineers and managers per Broadcom Limited procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Broadcom Limited field sales engineer or Contact Center (<http://www.broadcom.com>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.