

Product Change Notice

Issue Date: 22-November-2021

Change Description:

Introduce new lead frame source and die source

Parts Affected:

Group 1

HSMA-A100-Q00J1	HSMC-A100-Q00J1	HSME-A100-Q3TJ1	HSMZ-A100-T00J1
HSMA-A100-Q0PJ1	HSMC-A100-Q40J1	HZME-A100-N82J1	HSMZ-A100-T70J1
HSMA-A100-R40J1	HSMC-A100-Q70J1	HZME-A100-Q3TJ1	HZMZ-A100-R00J1
HSMA-A100-R4WJ1	HSMC-A101-S00J1	QSME-A10A-L01J1	HSMM-A101-R00J1
HSMA-A100-R45J1	HSMC-A101-S30J1	HSMJ-A100-Q00J1	HSMM-A100-S00J1
HSMA-A100-R6WJ1	HSMC-A101-S40J1	HSMJ-A100-R40J1	HSMM-A100-U4PJ1
HSMA-A100-R7NJ1	HSMC-A101-S80J1	HSMJ-A101-S00J1	HSMM-A100-V4PJ1
HSMA-A101-R8WJ1	QSMC-A100-Q00J1	HSMJ-A100-T40J1	QSMM-A149-S00J1
HSMA-A101-T2WJ1	QSMC-A101-S00J1	HZMJ-A100-Q00J1	QZMM-A102-S00J1
HSMA-A101-S00J1	QSMC-A101-S30J1	HZMJ-A100-R40J1	HSMN-A101-N00J1
HSMA-A101-S3WJ1	HZMC-A100-Q00J1	HZMJ-A101-S00J1	HSMN-A100-P00J1
HSMA-A101-S70J1	HZMC-A100-R00J1	HSML-A100-Q00J1	HSMN-A100-R00J1
HZMA-A100-Q00J1	HZMC-A100-R20J1	HSML-A100-R7YJ1	HSMN-A100-R0YJ1
HZMA-A100-R2WJ1	HZMC-A101-S00J1	HSML-A101-S00J1	HSMN-A100-R8YJ1
HZMA-A100-R40J1	HZMC-A101-S30J1	HSML-A101-S40J1	HSMN-A100-S00J1
HZMA-A100-R45J1	HZMC-A100-S30J1	HSML-A101-S4WJ1	HSMN-A100-S4YJ1
HZMA-A101-S00J1	HZMC-A101-S40J1	HZML-A100-Q00J1	QZMN-A102-R00J1
HZMA-A101-S70J1	HZMC-A101-S80J1	QSML-A118-T00J1	HSMW-A100-V40J1
QSMA-A133-T2WJ1	QZMC-A100-Q00J1	QSML-A118-T70J1	ASMT-UAB4-PU802
QSMA-A134-S3VJ1	QZMC-A102-R00J1	QSML-A101-S00J1	AZMT-UAB4-PU802
QSMA-A10A-Q00J1	HSME-A100-L01J1	QZML-A102-S00J1	ASMT-UBB5-NS8Q2
QSMA-A100-P5PJ2	HSME-A100-L7YJ1	HSMU-A100-R00J1	ASMT-UBB5-NT3Y2
QZMA-A100-P5PJ2	HSME-A100-M02J1	HSMU-A100-S00J1	ASMT-UHB4-PU802
QZMA-A102-S00J1	HSME-A100-M3PJ1	HZMU-A100-S00J1	ASMT-UGB5-NW702
HSMA-A160-S7WJ1	HSME-A100-M4PJ1	HSMV-A100-T00J1	ASMT-UGB5-NW7Y2
HSMC-A100-K50L2	HSME-A100-N82J1	HZMV-A100-T00J1	ASMT-URB4-PU802
HSMC-A100-R00J1	HSME-A100-P32J1	HSMZ-A100-R00J1	AZMT-URB4-PU802
HSMC-A101-R70J1			

Group 2

HSMD-A100-J00J1	HZMG-A100-H01J1	HZMH-A100-L00J1	HZMS-A100-L00J1
HSMD-A100-L00J1	HZMG-A100-L02J1	HZMH-A100-N00J1	HSMY-A100-J00J1
HZMD-A100-L00J1	HZMG-A100-J02J1	HSMS-A100-L00J1	HSMY-A100-L00J1
HZMD-A100-J00J1	QSMG-A10A-J02J1	HSMS-A100-J00J1	HZMY-A100-J00J1
HSMG-A100-J02J1	HSMH-A100-N00J1	QSMS-A10A-J00J1	HZMY-A100-L00J1
HSMG-A100-L02J1	HSMH-A100-L00J1	HZMS-A100-J00J1	QSMY-A10A-J00J1
HSMG-A100-H01J1			

Group 3

HSMF-A201-A00J1	HSMF-A202-A00J1	HSMF-A203-A00J1	HSMF-A204-A00J1
HSMF-A205-A00J1	HSMF-A206-A00J1	HSMF-A211-A00J1	HSMF-A212-A00J1

Description and Extent of Change:

- Introduce new lead frame source for part numbers in Group 1
- Introduce new lead frame and die source for part numbers in Group 2
- Introduce new die source for part numbers in Group 3

Reasons for Change:

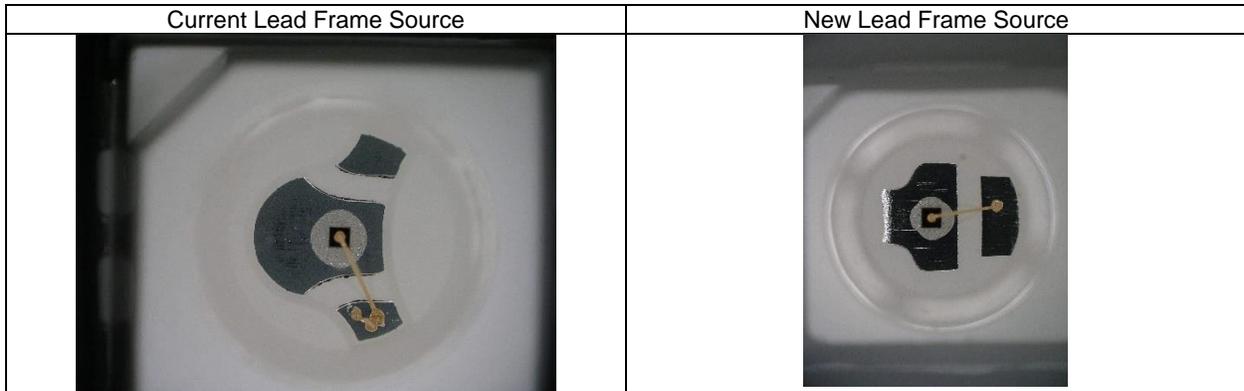
1. Assurance of supply for lead frame
2. Obsolescence of existing die for part numbers in Group 2 & 3

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

There will be no change on fit, form, function, quality and reliability of final product.

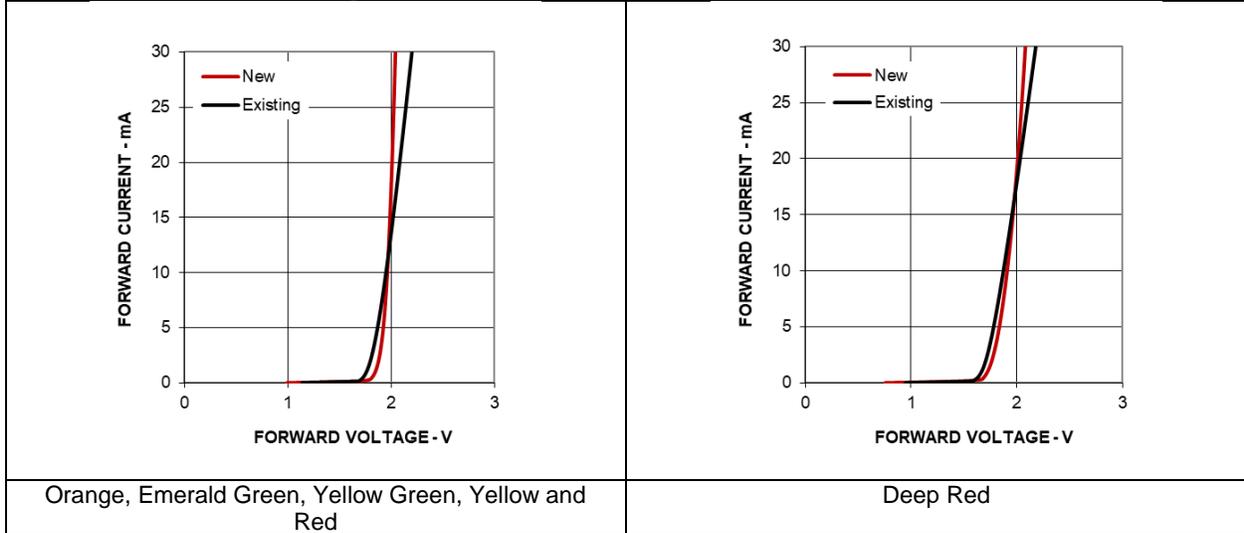
1. Lead frame change (Part numbers in Group 1 and 2)

Outlook is different as illustrated below:

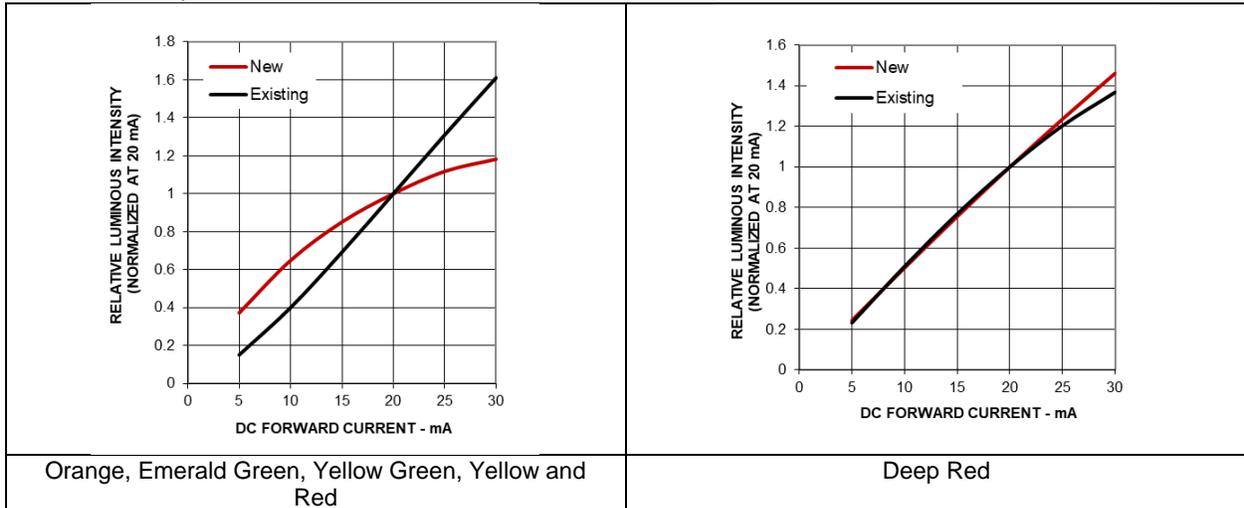


2. New die source (Part numbers in Group 2 and 3)
 Following are the changes in product characteristic

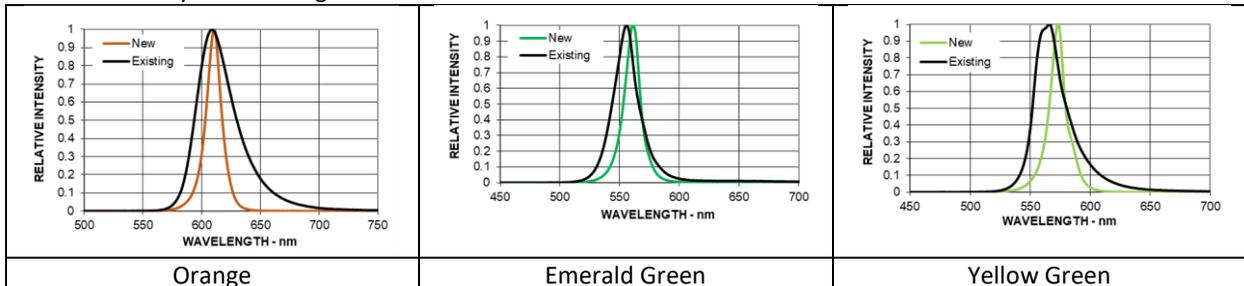
Forward current vs forward voltage

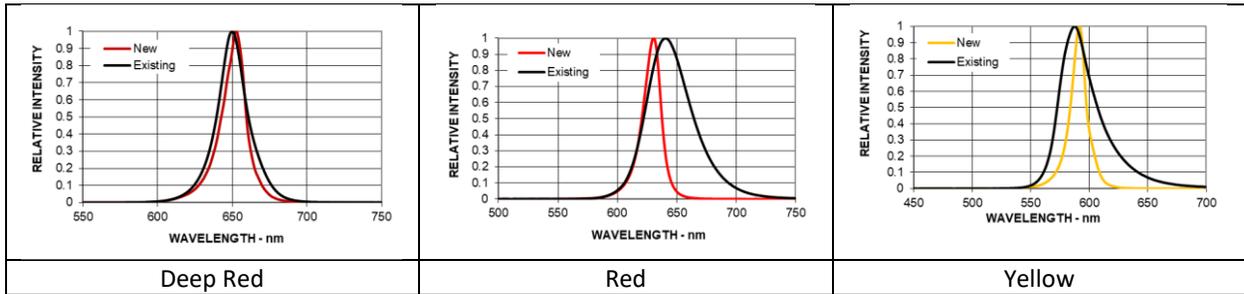


Relative intensity vs forward current

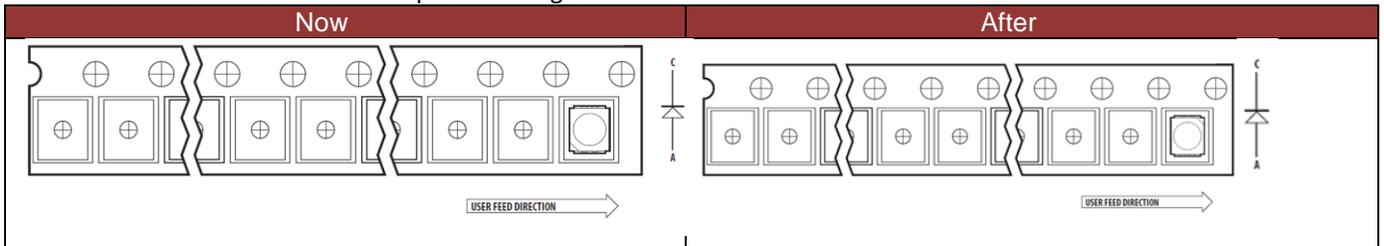


Relative intensity vs wavelength

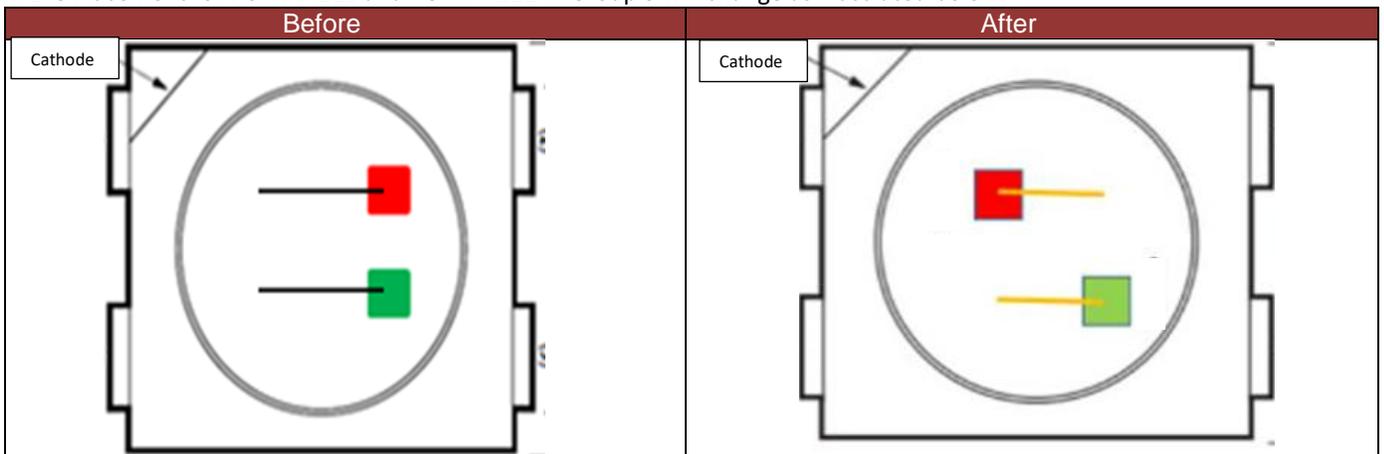




3. Orientation for HxMH-A100 in Group 2 will change as illustrated below:



4. Die Placement for HSMF-A211 and HSMF-A212 in Group 3 will change as illustrated below:



Effective Date of Change:

Parts with above change will commence 90 days after issuance date above. Broadcom will continue ship parts with current lead frame and die sources after implementation date until inventories are fully depleted.

Parts identification:

PCN number identification will be printed on the mother label to identify the lot has changed to new material as indicated below.



Qualification Data:

No change in reliability performance. Product and qualification data will be available upon request.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.