

Product Change Notice

Issue Date: 1st July-2021

Change Description:

Introduction of replacement die for below part numbers.

Parts Affected:

Refer Appendix 1(Group 1 and Group 2)



Description and Extent of Change:

The new die (AllnGaP) will replace the existing dice (GaP and AlGaAs) for all affected part numbers.

Reasons for Change:

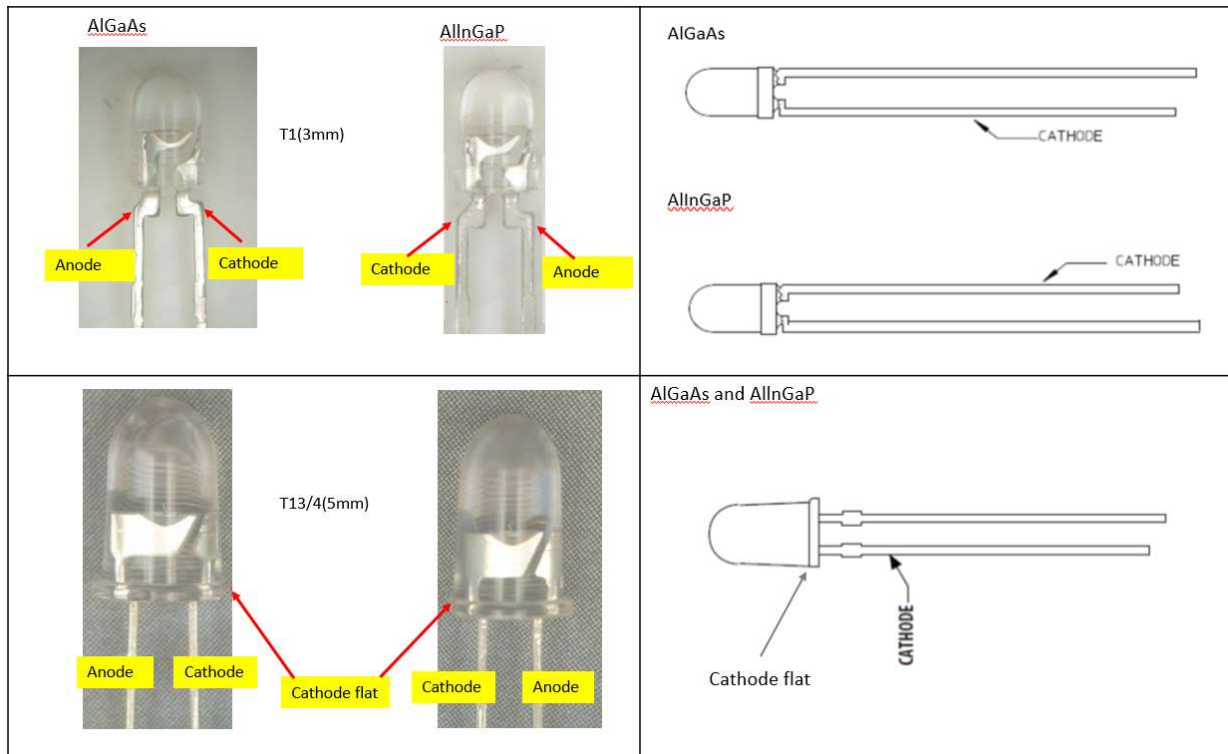
Obsolescence of existing dice.

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

There is no change in the product fit, quality and reliability of the final products.

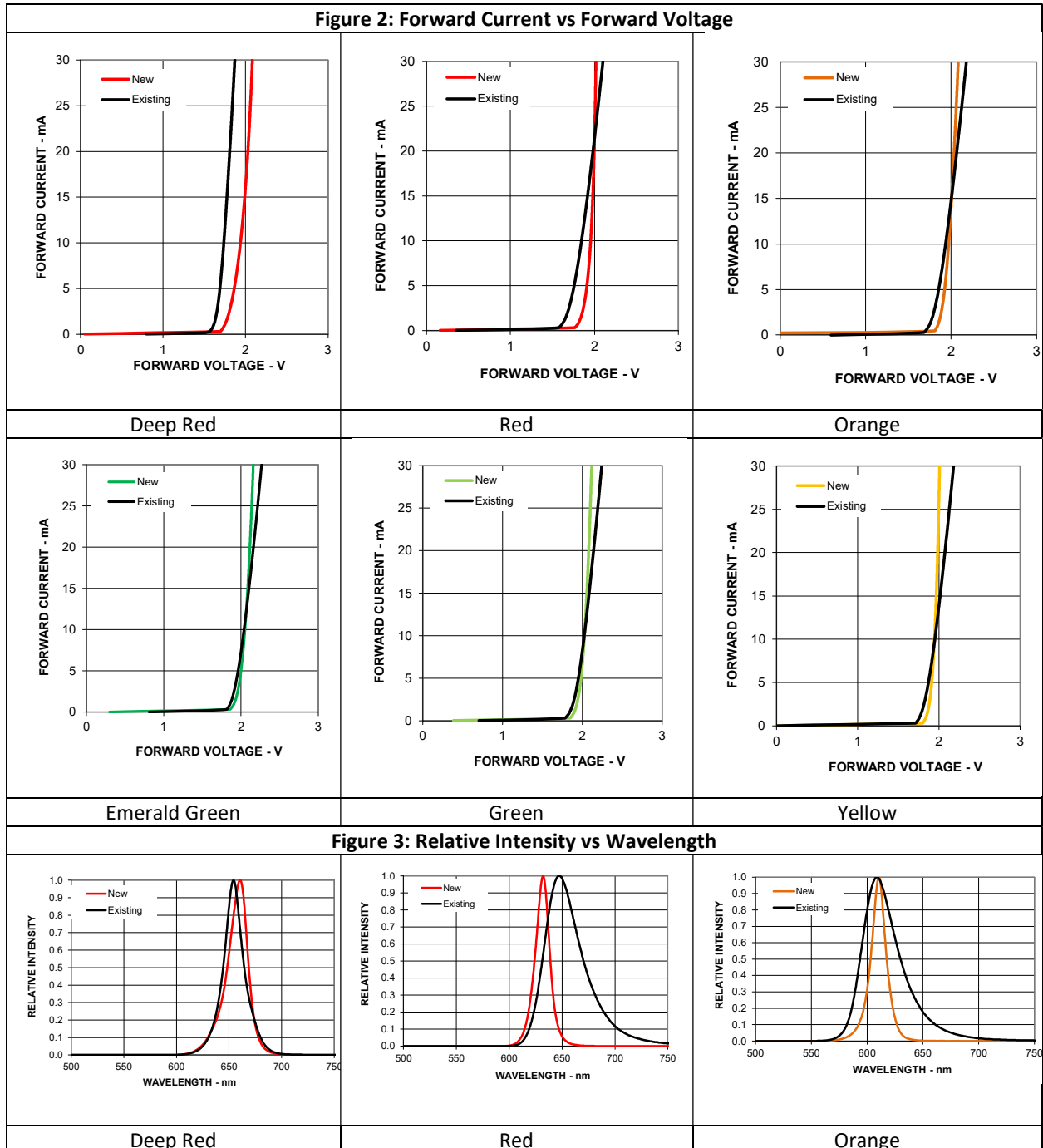
Group 2 (AlGaAs LED Lamps) will have a change in form as shown in Figure 1.

Figure 1



Following are the changes in product characteristic for both Group 1 and 2 of the LEDs.

1. Forward Current vs Forward Voltage.
2. Relative Intensity vs Wavelength
3. Relative Intensity vs Forward Current
4. Luminous Intensity : Some part numbers will experience higher typical intensity (refer to individual datasheet for details)



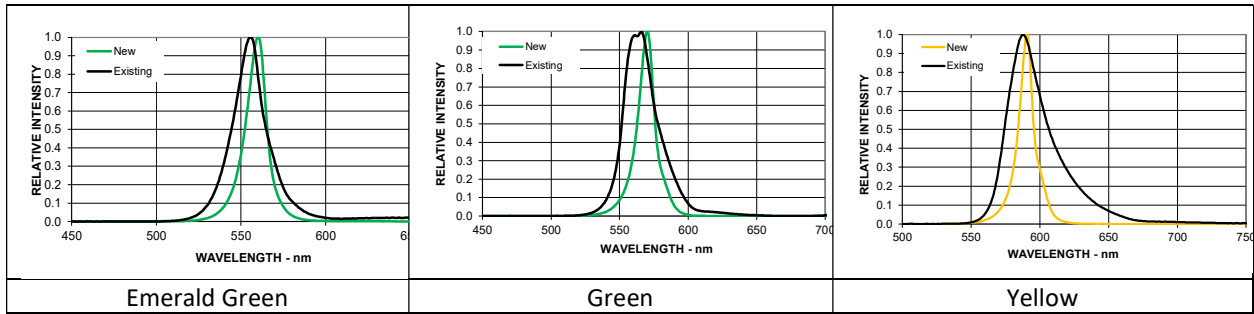
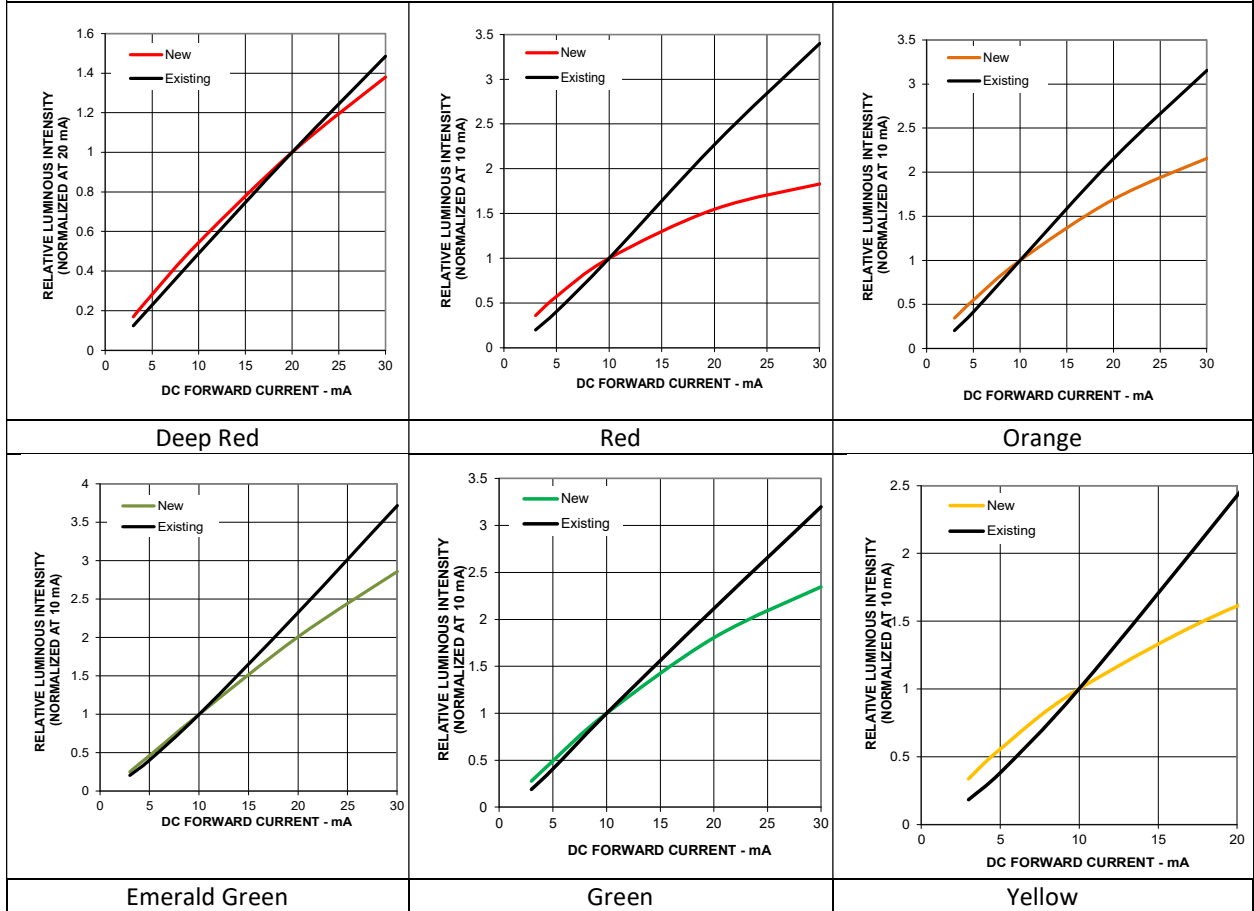


Figure 4: Relative Intensity vs Forward Current



Effective Date of Change:

1st Oct 2021

Shipment may contain product from existing dice and new die starting from 1st Oct 2021 until the inventory of existing die is fully depleted.

Qualification Data:

Qualification data will be provided upon request.

Appendix 1
Group 1 – GaP LED Lamps

HLMF-K500#2CA	QLMP-G540	HLMP-3416	HLMP-3301-F00DD
HLMF-K500#2UL	QLMP-G543-K0000	QLMP-3861-K0B00	HLMP-3301
HLMF-K500#2UM	HLMP-3554-E0002	HLMP-3862	HLMP-3316-I0002
HLMF-K500#2UP	HLMP-3554-E00R1	HLMP-3451-D0000	HLMP-3316-I00R2
HLMF-K505#2CD	HLMP-3554	HLMP-3451	HLMP-3316
HLMF-K505#2UK	HLMP-3568	HLMP-3490	HLMP-3351-D0000
HLMF-K505	HLMP-3590	HLMP-3495	HLMP-3351-D0002
HLMP-1503-C0002	HLMP-0504-B0000	HLMP-3850-K0002	HLMP-3351-F00R1
HLMP-1503-C00A1	HLMP-0504-C0002	HLMP-3850-K00B2	HLMP-3351
HLMP-1503-C00A2	HLMP-0504	HLMP-3850	HLMP-3762-G00B2
HLMP-1503-D0000	HLMP-S501-C0000	HLMP-C315	HLMP-3762
HLMP-1503-D0002	HLMP-S501-D0002	HLMP-C323	QLMP-3718-L0000
HLMP-1503-D00FG	HLMP-S501	HLMP-1620-C00A1	HLMP-C215
HLMP-1503-E0000	HLMP-S501-D00R1	HLMP-1620-C00A2	HLMP-C223
HLMP-1503-E00A2	HLMP-1640-B00A1	HLMP-1620	QLMP-G243-L0000
HLMP-1503	HLMP-1640-B00A2	QLMP-3678	HLMP-3366
HLMP-1520	HLMP-1640	HLMP-3650-C00B2	HLMP-3390
HLMP-1521-E0002	QLMP-3690	HLMP-3650	HLMP-3707-L0002
HLMP-1521-E00A2	HLMP-3680-B00B2	HLMP-1621	HLMP-3750-L0002
HLMP-1521	HLMP-3680	HLMP-3651	HLMP-3750-L00B2
HLMP-1540-H0002	QLMP-G598	HLMF-K200#2CA	HLMP-3750
HLMP-1540-H00A1	HLMP-1641	HLMF-K200#2UK	HLMP-1600-D00A1
HLMP-1540-IJ000	HLMP-3914	HLMF-K200#2UL	HLMP-1600-D00A2
HLMP-1540	QLMP-3691-B0000	HLMF-K200#2UM	HLMP-1600
QLMP-K503	HLMP-3681-B0000	HLMF-K200#2UP	QLMP-3623
HLMP-3507-D0001	HLMF-K300#2CA	HLMF-K200	QLMP-3646
HLMP-3507-D0002	HLMF-K300#2UK	HLMF-K205#2UN	HLMP-3600-D00B2
HLMP-3507-D00B1	HLMF-K300#2UL	HLMP-1301-E0002	HLMP-3600
HLMP-3507-D00B2	HLMP-1401-D0002	HLMP-1301-E00A1	HLMP-1601
HLMP-3507-D00R4	HLMP-1401-D00A1	HLMP-1301-E00A2	HLMP-3601
HLMP-3507	HLMP-1401-D00A2	HLMP-1301-G0000	QLMP-3647-B0000
HLMP-3519-F0002	HLMP-1401-E0000	HLMP-1301-G0002	HLMP-4000#002
HLMP-3519-F00R2	HLMP-1401	HLMP-1301-G00A1	HLMP-4000#010
HLMP-3519	HLMP-1420	HLMP-1301-G00FG	HLMP-4000
HLMP-3595	HLMP-1421-F0002	HLMP-1301	QLMP-4059
HLMP-3950-K0001	HLMP-1421-F00A2	HLMP-1321-G0002	HLMP-0800-000R1
HLMP-3950-K0002	HLMP-1421	HLMP-1321	HLMP-0800
HLMP-3950-K00B2	HLMP-1440-H0002	HLMP-1340-J0002	HLMP-080A
HLMP-3950	HLMP-1440-H00A2	HLMP-1340	HLMP-4015

HLMP-3960-K0002	HLMP-1440	QLMP-K204	HLMP-0805
HLMP-3960	HLMP-N305-G00DD	HLMP-0301-C0000	HLMF-K400#2UL
HLMP-3962-F0002	HLMP-Y202-E0000	HLMP-0301	HLMF-K405
HLMP-3962-F00B2	QLMP-1467-I0000	HLMP-S201-D0000	HLMP-D401
HLMP-3962	HLMP-1719-A0002	HLMP-S201-D0002	HLMP-K401-E0002
HLMP-C515-L0002	HLMP-1719-A00A1	HLMP-S201	HLMP-K401
HLMP-C515-L00B2	HLMP-1719-A00A2	HLMP-1700-B0002	HLMP-K440
HLMP-C515	HLMP-1719	HLMP-1700-B00A1	HLMP-C415
HLMP-C523-J0002	HLMP-4719-A0002	HLMP-1700-B00A2	HLMP-C423-L0002
HLMP-C523	HLMP-4719-A00B2	HLMP-1700	HLMP-C423
HLMP-N505-G00DD	HLMP-4719	QLMP-1705	HLMP-S400
QLMP-D578	QLMP-4735	HLMP-4700-C0002	HLMP-S401
HLMP-1790-A0002	HLMP-0401-B0000	HLMP-4700-C00B2	QLMP-K479
HLMP-1790-A00A1	HLMP-0401-D0002	HLMP-4700	HLMP-C615-G0001
HLMP-1790-A00A2	HLMP-0401	HLMP-3301-D0000	HLMP-K600
HLMP-1790	HLMP-S301-B0000	HLMP-3301-D0001	HLMP-K640
HLMP-4740-A0002	HLMP-S301-C0000	HLMP-3301-D0002	
HLMP-4740-A00B1	HLMP-S301	HLMP-3301-D00B2	
HLMP-4740-A00B2	HLMP-3401-E0002	HLMP-3301-F0001	
HLMP-4740	HLMP-3401-E00B2	HLMP-3301-F0002	
QLMP-4748-B0000	HLMP-3401	HLMP-3301-F00B2	

Group 2 – AlGaAs LED Lamps

HLMP-D105-M0002	HLMP-K150-CD000
HLMP-D105-M00B2	HLMP-K150
HLMP-D105	HLMP-K155-D0002
HLMP-D150-C0002	HLMP-K155
HLMP-D150-C00B2	HLMP-S100
HLMP-D150	HLMP-R100
HLMP-D154-F0002	HLMP-4101
HLMP-D155-F0002	HLMP-C115
HLMP-D155	HLMP-C123-L0002
QLMP-D143	HLMP-D101-J0002
HLMP-K101-I0002	HLMP-D101
HLMP-K101-I00DH	
HLMP-K101-JK000	
HLMP-K101	
HLMP-K105-J0002	
HLMP-K105	
HLMP-K150-C0002	
HLMP-K150-C00A1	



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

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.