PRODUCT CHANGE NOTIFICATION
PCN No: PCN-1140
Issue Date: 10/9/2026

Parts Affected	R50RG2-5-0080	Old Rev.	F	New Rev.	G

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the table below.

R50RG2-5-0080

	Specification	**R50RG2-5-0080 Rev. F**	**R50RG2-5-0080 Rev. G**
1	Material	Green: GaN/SiC	Green: InGaN/Sapphire
2	Luminous Intensity Min, Typ (mcd)	Red: 1500, 3000 Green: 2000, 4000	Red: 1000, 3000 Green: 5000, 8000
3	Maximum Power Dissipation (mW)	Red: 150 Green: 220	Red: 120 Green: 180
4	Peak Forward Current (mA)	Green: 150	Green: 160
5	ESD (V)	Red: 1000 Green: 1000	Red: 2000 Green: 2000
6	Forward Voltage Min, Typ, Max (V)	Red: 1.8, 2.4, 2.6 Green: 3.0, 3.4, 3.8	Red: 1.8, 2.1, 2.4 Green: 2.9, 3.2, 3.5
7	Dominant Wavelength Min, Typ (nm)	Red: 617, 630 Green: 515, 525	Red: 620, 630 Green: 518, 528
8	Forward Current vs Forward Voltage Graph	NA	Updated
9	Relative Luminous Intensity vs Forward Current Graph	NA	Updated
10	Forward Current vs Ambient Temperature Graph	NA	Updated

Effective Date of Change: October 9, 2026

Reason for Change: New chips are being used due to chip obsolescence.

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045
Please contact Bivar Inc. at www.bivar.com/contact or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.