



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1079

Issue Date: 1/15/2025

Parts Affected	5BC	Old Rev.	B	New Rev.	C
	5BC-F		B		C

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the table below.

	Feature	5BC-X Rev. B	5BC-X Rev. C
1	Material	Red: GaAsP/GaP Green: GaP/GaP	Red: GaAsP Green: GaP
2	Peak Wavelength TYP (Green)	568nm	565nm
3	Viewing Angle	45°	140°
4	Peak Forward Current	150mA	100mA
5	Operating Temperature	-25°C to +85°C	-40°C to +80°C
6	Storage Temperature	-30°C to +100°C	-40°C to 100°C
7	Forward Voltage (Min/Typ/Max)	Red: N/A, 2.0V, 2.8V Green: N/A, 2.1V, 2.8V	Red: 1.7V, 2.0V, 2.4V Green: 1.8V, 2.2V, 2.6V
8	Dominant Wavelength Red/Green (Min/Typ/Max) (nm)	N/A, N/A, N/A (Both Red/Green)	Red: 615, 620, 625 Green: 565, 570, 575
9	Reverse Current (uA)	100uA	10uA
10	Luminous Intensity Red/Green (Min/Typ/Max) (mcd)	Red: N/A, 6, N/A Green: N/A, 8, N/A	Red: 4, 8, 16 Green: 7, 14, 28
11	Directivity Radiation Diagram Red/Green	2*Ø0.5 - 45°	2*Ø0.5 - 140°
12	Relative Intensity vs. Forward Voltage Diagram (Red)	(1.7, 0.02) - (2.55, 48)	-
13	Forward Current vs. Forward Voltage Diagram (Red)	-	(1.8, 0.02) - (2.4, 42)
14	Relative Luminous Intensity (%) vs. Forward Current Diagram (Red)	(2, 2.5) - (110, 300)	(0.01, 0.01) - (20, 2.3)

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.

BV00-Q465 REV 92122



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Issue Date: 1/15/2025

Effective Date of Change: January 15, 2025

Reason for Change: Lead frame has been updated.

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

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