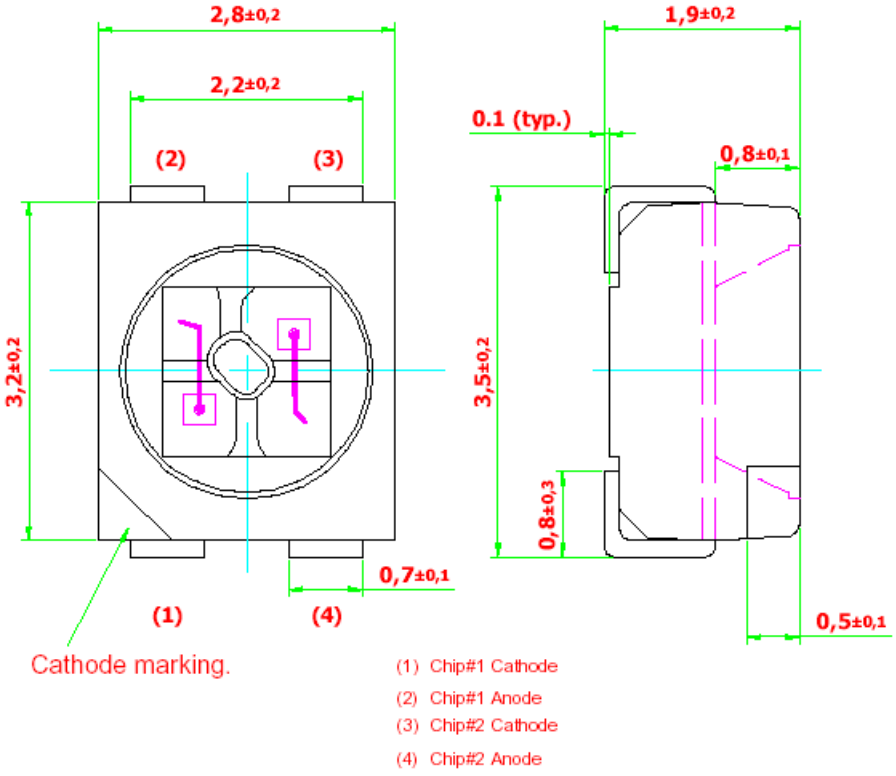
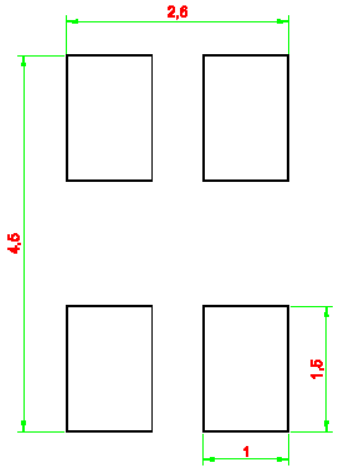
- **Feature:**

1. High brightness bi-color surface mount LED.
2. 120° viewing angle.
3. Small package outline (LxWxH) of 2.8 x 3.2 x 1.9 mm.
4. Qualified according to JEDEC moisture sensitivity Level 2.
5. Compatible to both IR reflow soldering and TTW soldering.
6. RoHS Compliance.

- **Package Dimension:**



Recommended Solder Pad



● Optical Characteristics:

Part Number	Color λ_{dom} (nm)		Luminous Intensity @ If = 20mA . Iv (mcd)	
	Chip#1	Chip#2	Chip#1	Chip#2
BL-PMRG-GJS • BIN L L • BIN L M • BIN M L • BIN M M	Red 625	Green 570	**11.2 … 28.5** 11.2 … 18.0 11.2 … 18.0 18.0 … 28.5 18.0 … 28.5	**11.2 … 28.5** 11.2 … 18.0 18.0 … 28.5 11.2 … 18.0 18.0 … 28.5
BL-PMRY-GJS • BIN L L • BIN L M • BIN M L • BIN M M	Red 625	Yellow 587	**11.2 … 28.5** 11.2 … 18.0 11.2 … 18.0 18.0 … 28.5 18.0 … 28.5	**11.2 … 28.5** 11.2 … 18.0 18.0 … 28.5 11.2 … 18.0 18.0 … 28.5
BL-PMYG-GJS • BIN L L • BIN L M • BIN M L • BIN M M	Yellow 587	Green 570	**11.2 … 28.5** 11.2 … 18.0 11.2 … 18.0 18.0 … 28.5 18.0 … 28.5	**11.2 … 28.5** 11.2 … 18.0 11.2 … 18.0 18.0 … 28.5 18.0 … 28.5

Color	V_f at I_f=20mA		Viewing Angle
	Typ.	Max	
Red / Green / Yellow	2.2	2.5	120

NOTE:
1. Luminous intensity is measured with an accuracy of ±11%.
2. Half group binning for luminous intensity is also available upon request.

Absolute Maximum Ratings:

Parameter	Maximum Value	Unit
DC forward current.	30	mA
Peak pulse current. (tp ≤ 10 μs, Duty cycle = 0.005)	1000	mA
Reverse voltage.	5	V
LED junction temperature.	125	°C
Operating temperature.	-40 … +100	°C
Storage temperature.	-40 … +100	°C

Wavelength Grouping:

Color	Group	Wavelength distribution (nm)
Red	Full	620 – 635
Yellow	Full	582 – 594
	W	582 – 585
	X	585 – 588
	Y	588 - 591
	Z	591 - 594
Green	Full	564.5 – 576.5
	W	564.5 – 567.5
	X	567.5 – 570.5
	Y	570.5 – 573.5
	Z	573.5 – 576.5

● Typical electro-optical characteristics curves:

Fig.1.Relative luminous intensity vs. forward current.

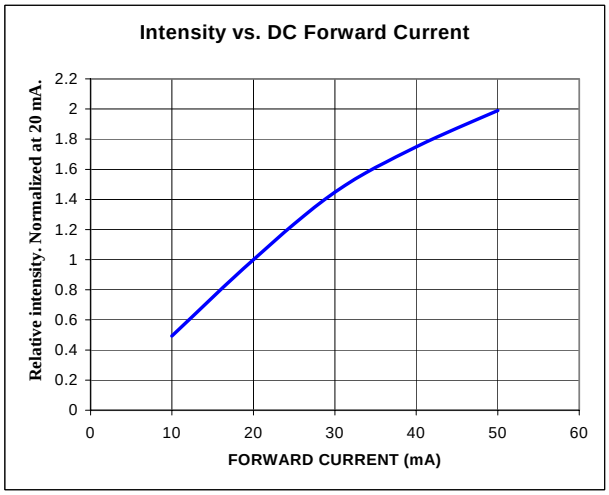


Fig.2 Forward current vs. forward voltage.

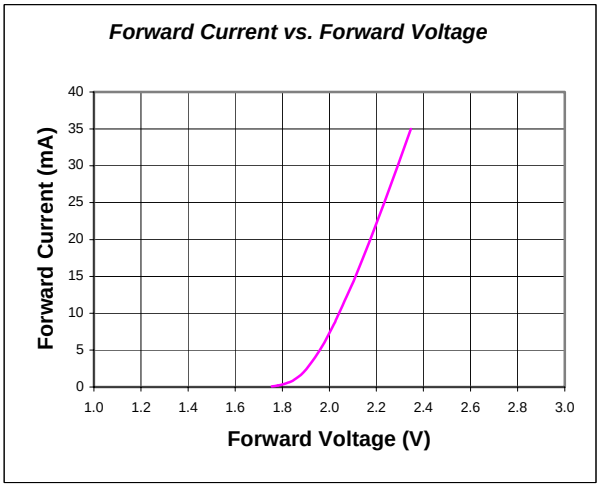


Fig.3 Radiation pattern

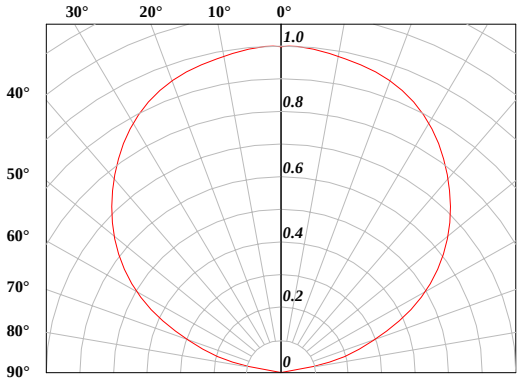


Fig.4 Maximum forward current vs. temperature

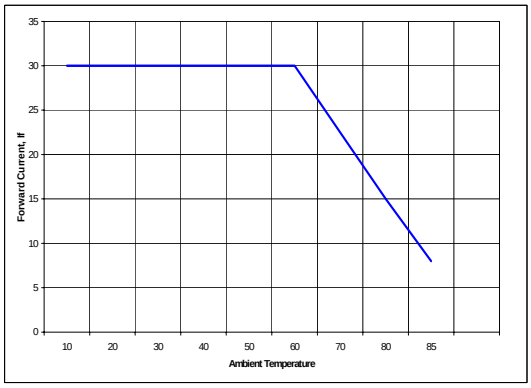


Fig.5 Recommended IR-reflow Soldering Profile.

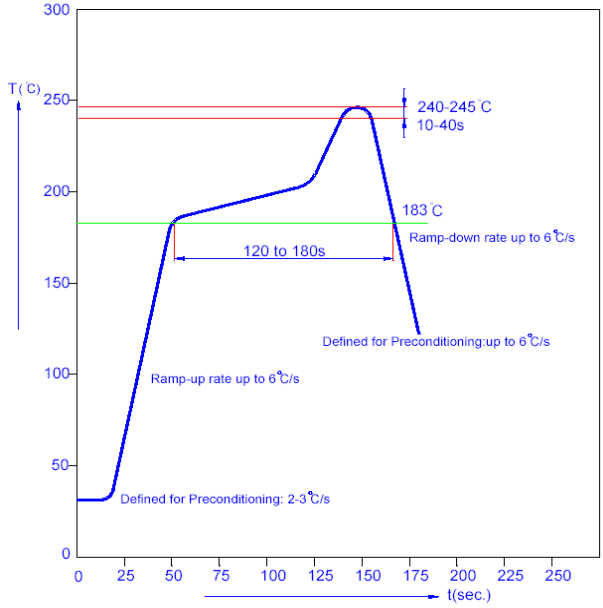
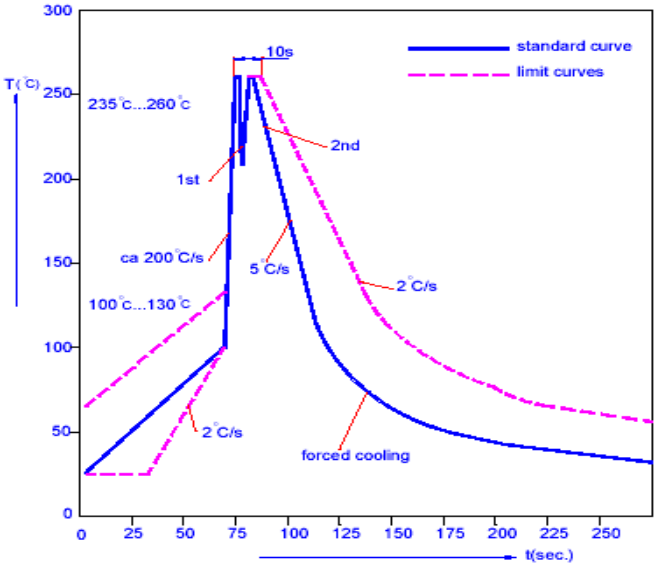


Fig.6 Recommended TTW Soldering Profile



Taping And Orientation.

Reels come in quantity of 2000 units. Reel diameters 180 mm.

