查询DMRG-GJS-LL供应商 捷多邦，专业PCB打样工厂，24小时加急出货

DOMINANT™ Semiconductors
Innovating Illumination

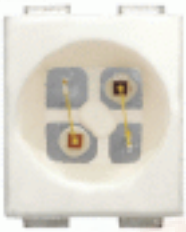
DATA SHEET:

Multi DomiLED™

GaP : Bi-Color

Multi DomiLED™

Synonymous with function and performance, the Multi DomiLED™ series is perfectly suited for a variety of cross-industrial applications due to its small package outline, durability and superior brightness.



Features:

> High brightness bi-color surface mount LED.
> 120° viewing angle.
> Small package outline (LxWxH) of 3.2 x 2.8 x 1.8mm.
> Qualified according to JEDEC moisture sensitivity Level 2.
> Compatible to both IR reflow soldering and TTW soldering.
> Environmental friendly; RoHS compliance.

Applications:

> Automotive: interior applications, eg: switches, telematics, climate control system, dashboard, etc.
> Consumer Appliances: LCD illumination as in PDAs, LCD TV.
> Communication: indicator and backlight in mobilephone.
> Display: full color display video notice board.
> Industry: white goods (eg: Oven, microwave, etc.).

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Part Ordering Number	Color, λ_{dom} (nm) Chip #1	Chip #2	Viewing Angle°	Luminous Intensity @ IF = 20mA IV (mcd) Chip #1	Chip #2
DMRY-GJS-LM+LM-1	Red,	Yellow,	**120**	**11.2 - 28.5**	**11.2 - 28.5**
• DMRY-GJS-LL	625nm	587nm		11.2 - 18.0	11.2 - 18.0
• DMRY-GJS-LM				11.2 - 18.0	18.0 - 28.5
• DMRY-GJS-ML				18.0 - 28.5	11.2 - 18.0
• DMRY-GJS-MM				18.0 - 28.5	18.0 - 28.5
DMRG-GJS-LM+LM-1	Red,	Green,	**120**	**11.2 - 28.5**	**11.2 - 28.5**
• DMRG-GJS-LL	625nm	570nm		11.2 - 18.0	11.2 - 18.0
• DMRG-GJS-LM				11.2 - 18.0	18.0 - 28.5
• DMRG-GJS-ML				18.0 - 28.5	11.2 - 18.0
• DMRG-GJS-MM				18.0 - 28.5	18.0 - 28.5
DMYG-GJS-LM+LM-1	Yellow,	Green,	**120**	**11.2 - 28.5**	**11.2 - 28.5**
• DMYG-GJS-LL	587nm	570nm		11.2 - 18.0	11.2 - 18.0
• DMYG-GJS-LM				11.2 - 18.0	18.0 - 28.5
• DMYG-GJS-ML				18.0 - 28.5	11.2 - 18.0
• DMYG-GJS-MM				18.0 - 28.5	18.0 - 28.5

NOTE
1. DMXX comes in a quantity of 2000 units per reel.
2. Luminous intensity is measured with an accuracy of ± 11%.
4. Half group binning for luminous intensity is also available upon request.

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

Dominant wavelength is measured with an accuracy of ± 1 nm.

Electrical Characteristics at Ta=25˚C

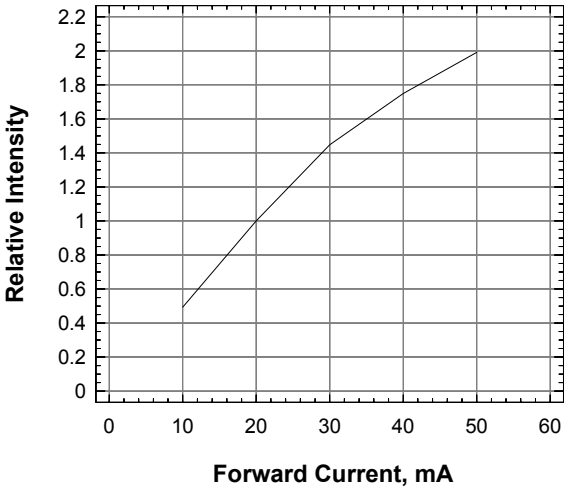
	Vf @ If = 20mA	
	Typ. (V)	Max. (V)
Red; Yellow; Green	2.2	2.5

Forward voltage, Vf is measured with an accuracy of ± 0.1 V.

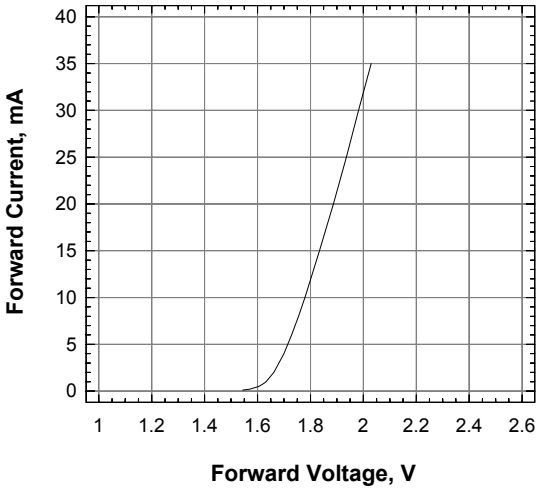
Absolute Maximum Ratings

	Maximum Value	Unit
DC forward current	30	mA
Peak pulse current; (tp ≤ 10µs, Duty cycle = 0.005)	1000	mA
Reverse voltage	5	V
ESD Thereshold (HBM)	2	KV
LED junction temperature	125	˚C
Operating temperature	-40 … +100	˚C
Storage temperature	-40 … +100	˚C

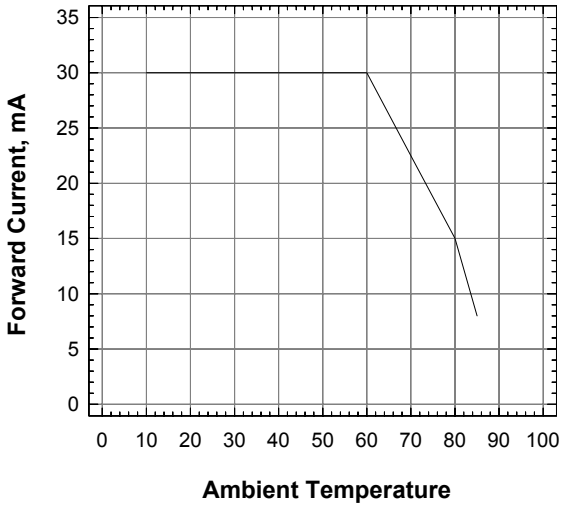
Relative Intensity Vs Forward Current



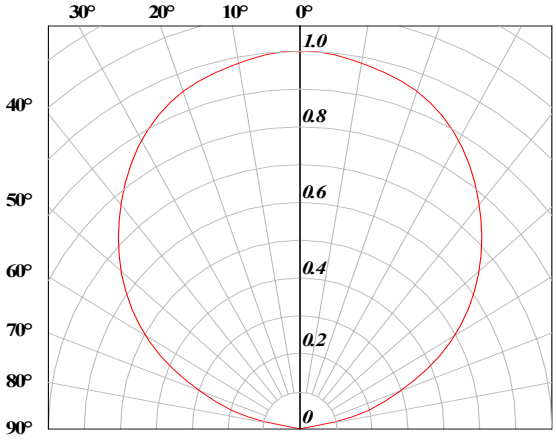
Forward Current Vs Forward Voltage



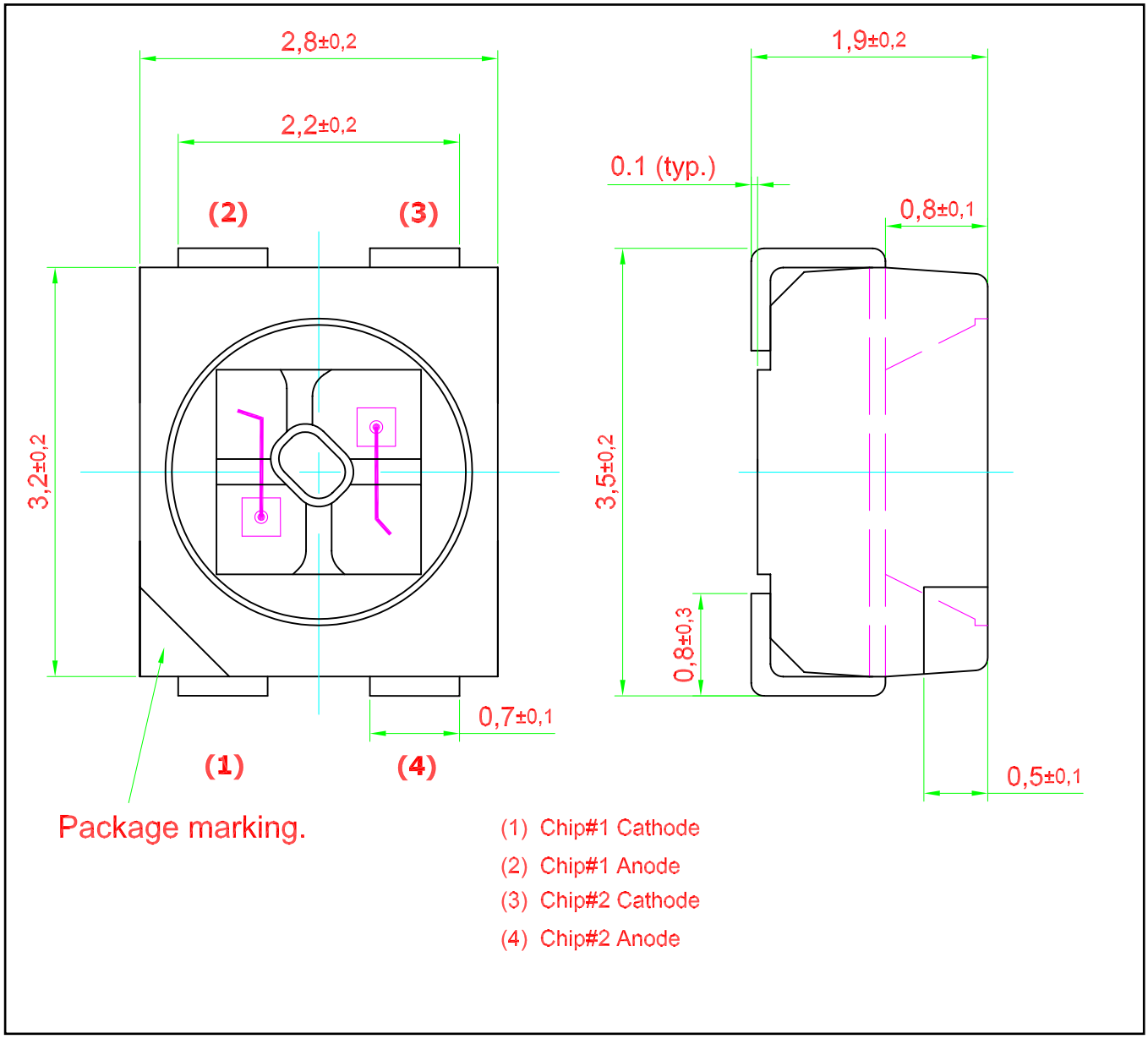
Maximum Current Vs Temperature



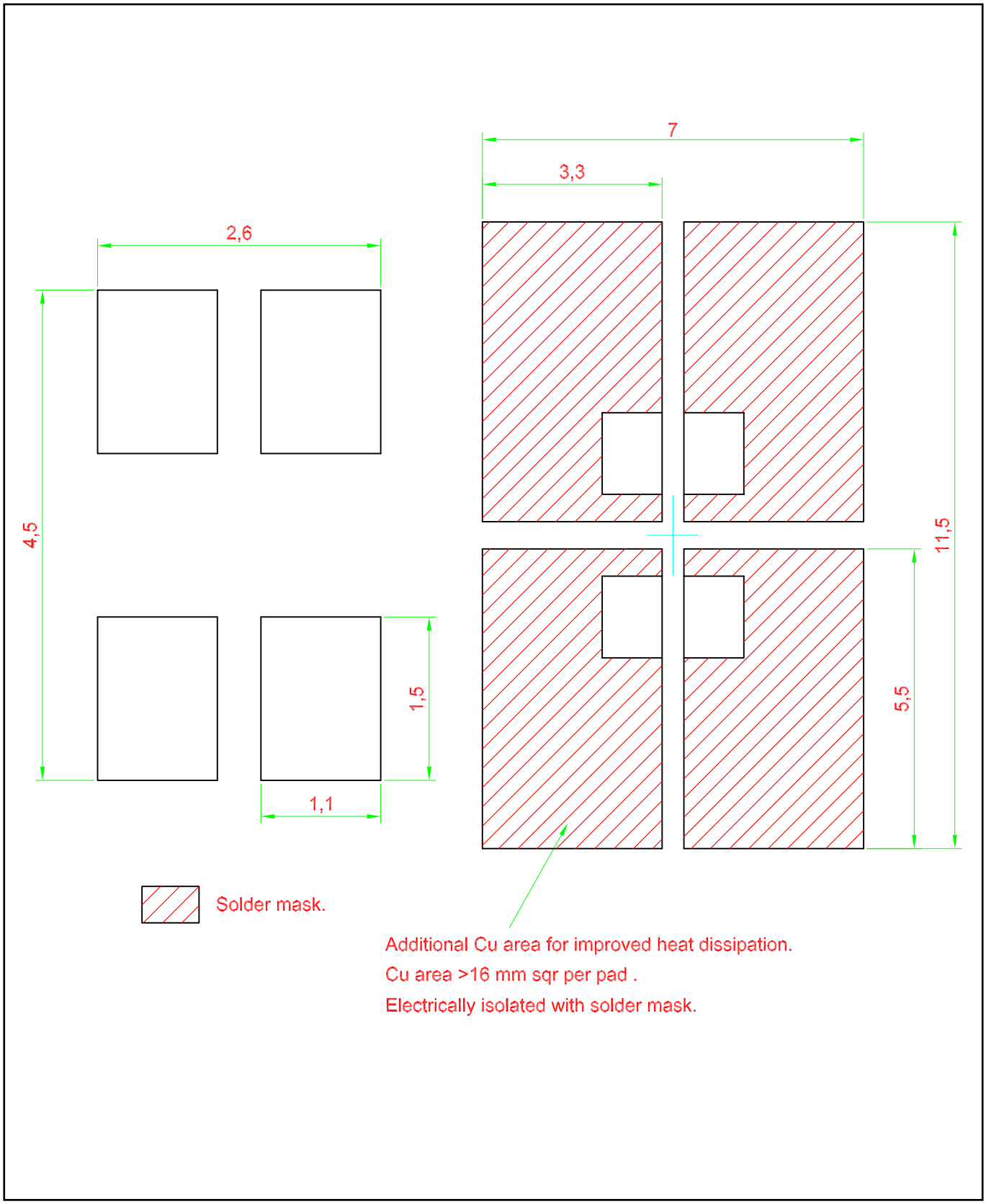
Radiation Pattern



Multi DomiLED™ • GaP : Bi-Color Package Outlines

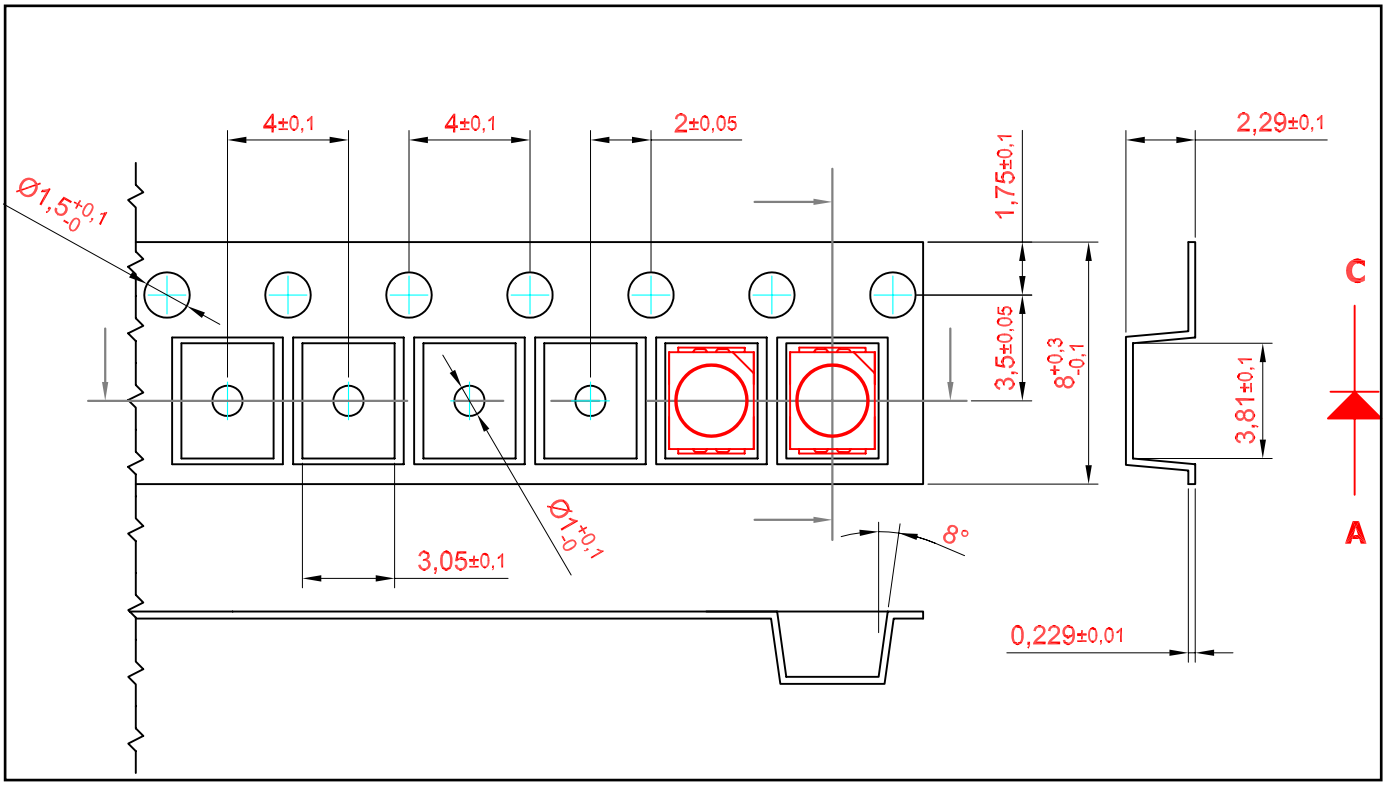


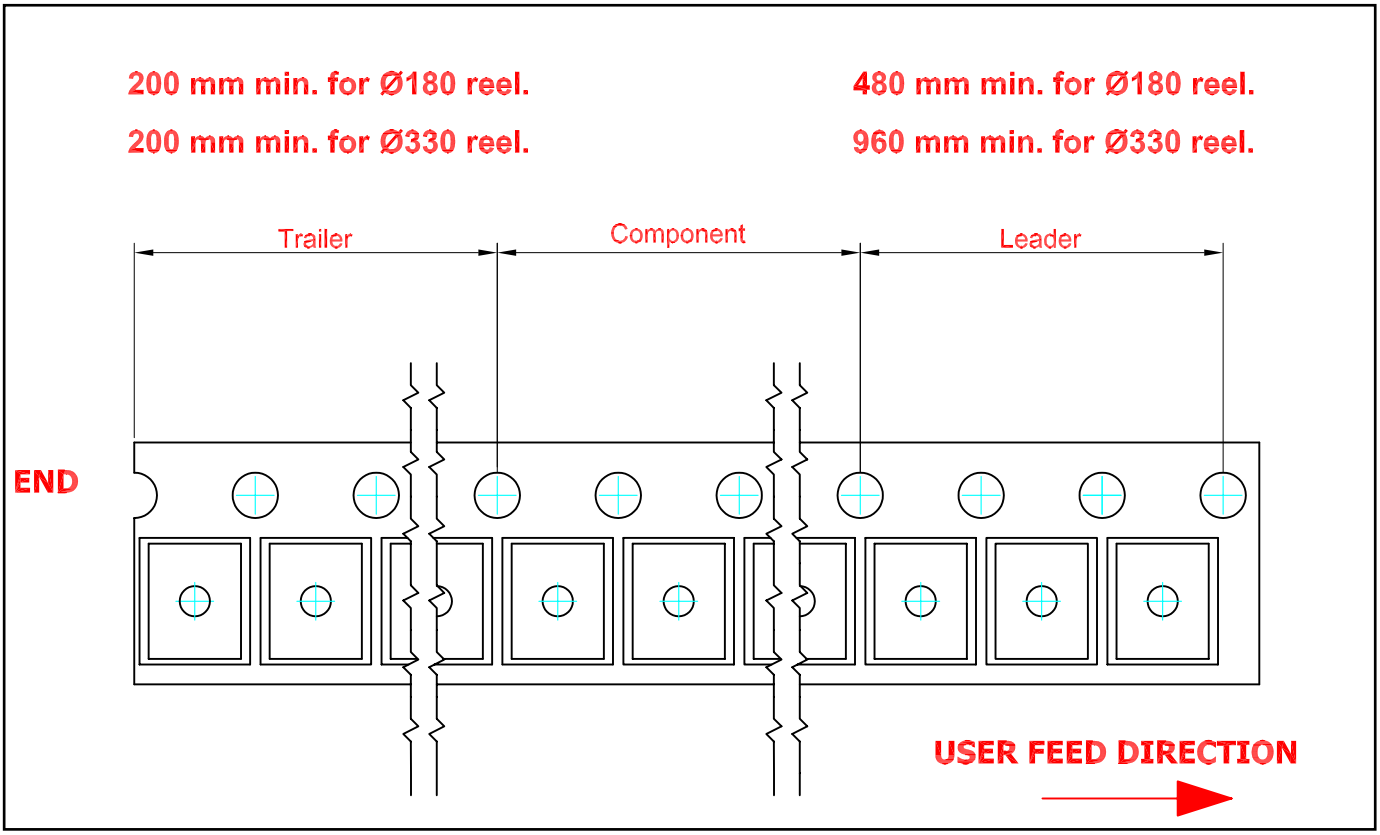
Recommended Solder Pad



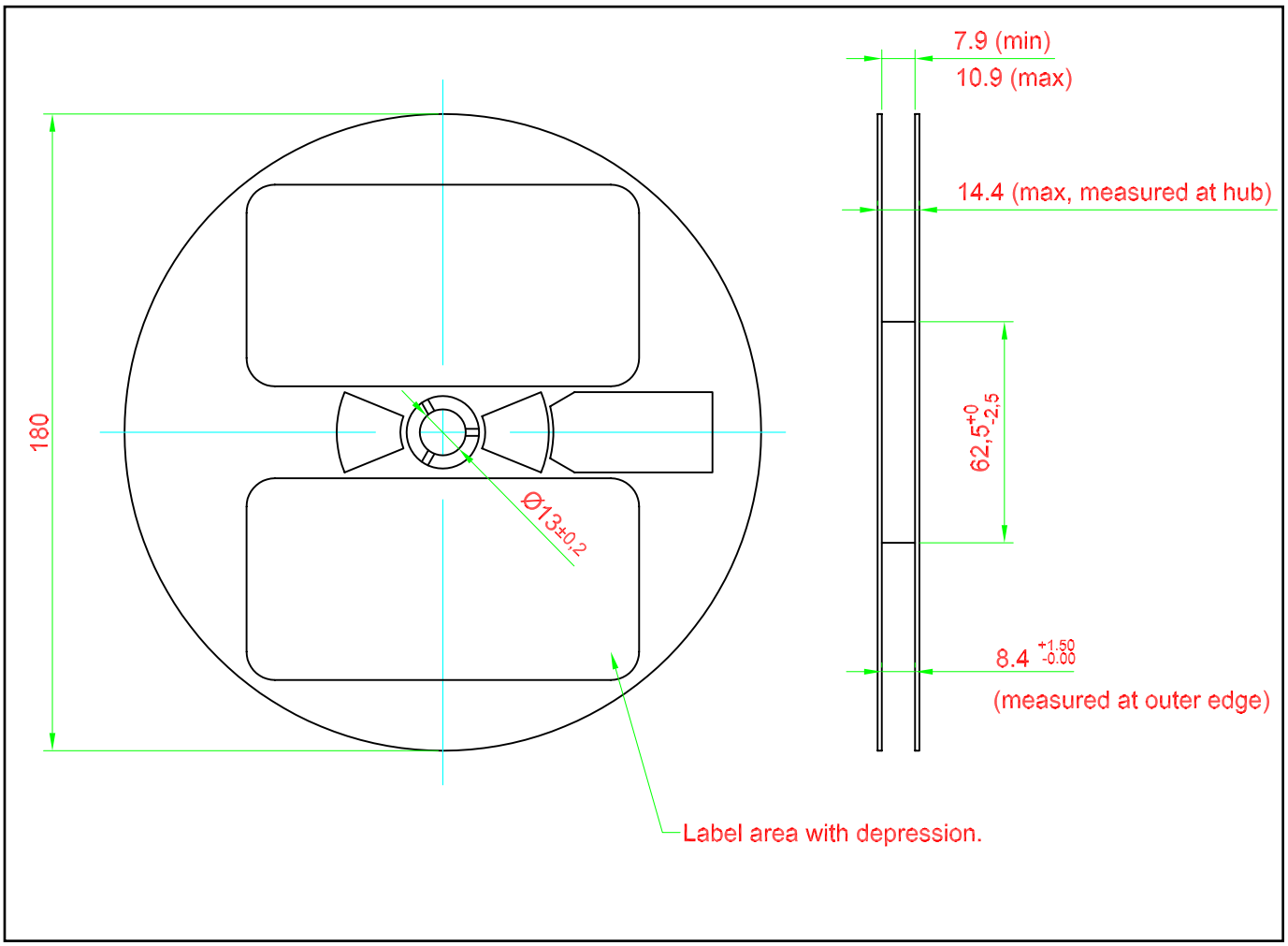
Taping and orientation

- Reels come in quantity of 2000 units.
- Reel diameter is 180 mm.





Packaging Specification



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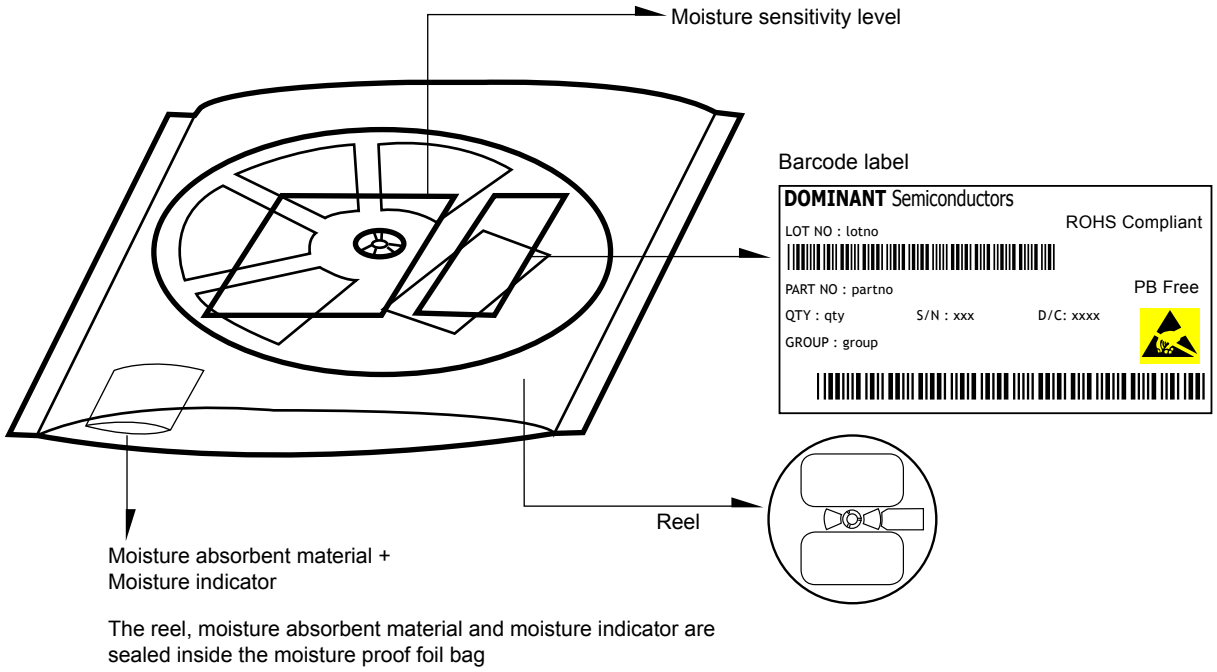
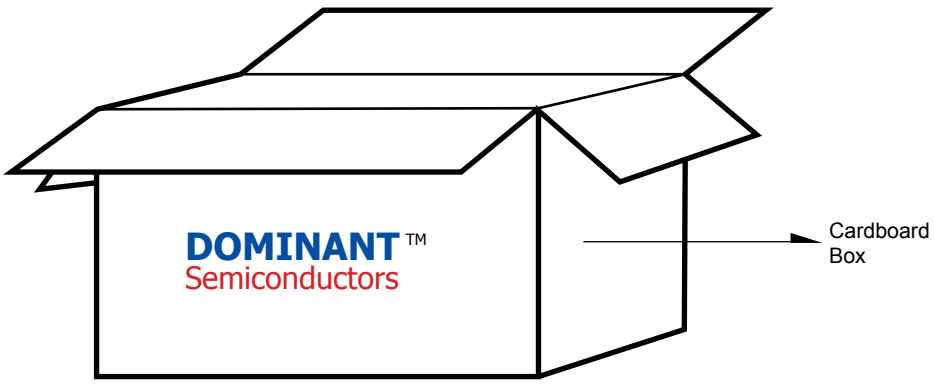


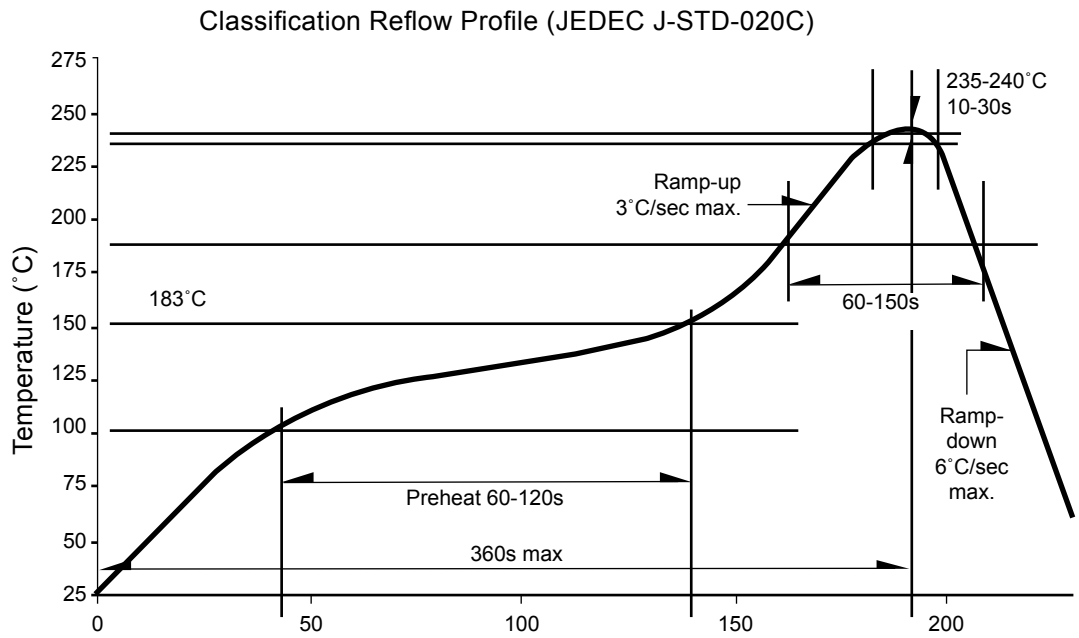
	Average 1pc DomiLED/Multi DomiLED	1 completed bag (2000pcs)
Weight (gram)	**0.034**	**190 ± 10**



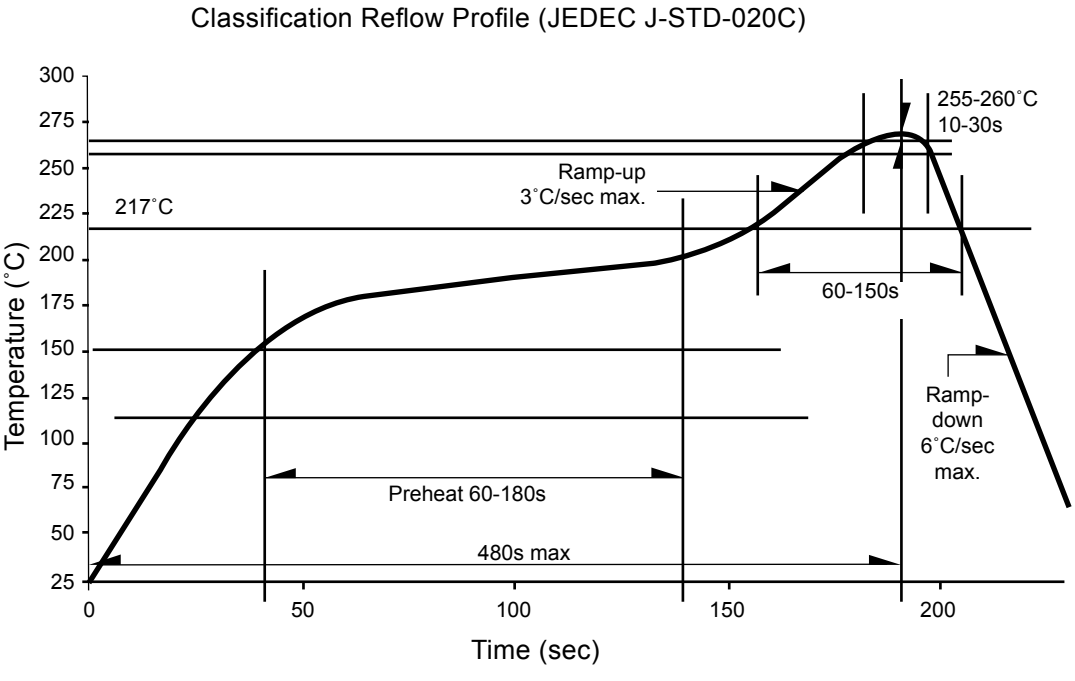
For Multi DomiLED™

Cardboard Box Size	Dimensions (mm)	Empty Box Weight (kg)	Reel / Box	Quantity / Box (pcs)
Small	300 x 250 x 250	0.58	15 reels MAX	30,000 MAX
Large	416 x 516 x 476	1.74	55 reels MAX	110,000 MAX

Recommended Sn-Pb IR-Reflow Soldering Profile



Recommended Pb-free Soldering Profile



Revision History

Page	Subjects	Date of Modification
-	New Format	11 Aug 2006

NOTE

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About Us

DOMINANT Semiconductors is a dynamic Malaysian Corporation that is among the world's leading SMT LED Manufacturers. An excellence – driven organization, it offers a comprehensive product range for diverse industries and applications. Featuring an internationally certified quality assurance acclaim, DOMINANT's extra bright LEDs are perfectly suited for various lighting applications in the automotive, consumer and communications as well as industrial sectors. With extensive industry experience and relentless pursuit of innovation, DOMINANT's state-of-art manufacturing, research and testing capabilities have become a trusted and reliable brand across the globe. More information about DOMINANT Semiconductors can be found on the Internet at http://www.dominant-semi.com.

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