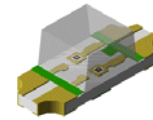


3213 Reverse Package SMD Bi-Color LED

VS 8JD8

Description

This is Bi-Color reverse package SMD LED with dimension 3.2 * 1.3 * 1.1mm. The unique of these LED are made from AlGaInP chips that provide high luminous intensity at low driving current. The lens design provides 130 degree viewing angle and suitable for backlighting purpose. The available colors are Red/Yellow, Yellow/Green or even Orange/Blue. Any color combinations specified by customers can be accepted.





Applications

- Industrial control systems signal indicator
- Automotive features
- Front panel indicator
- Status indication



Electronic Optical Characteristics (at 20mA):

Part Number	Color	λ (nm)		Iv(mcd)		VF(Volt)		View Angle (2 θ 1/2)	Lens
		λ d	λ p	Min	Typ.	Typ.	Max.		
VS 8JD8	Red 	624	632	45	80	2.0	2.4	130	Clear
	Green 	573	575	25	60	2.0	2.4		

Absolute Maximum Ratings (at Ta=25°C)

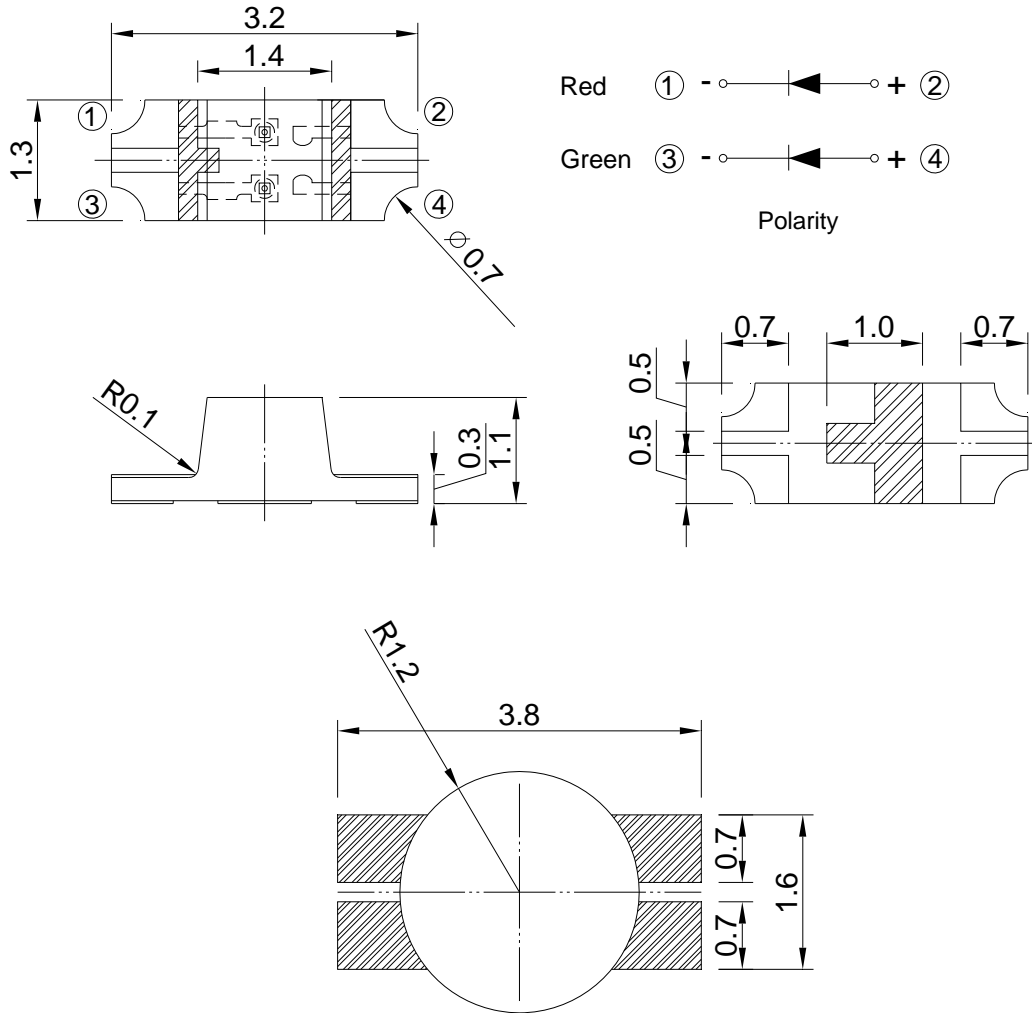
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder(°C)	I _R (uA)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
60	100*	25	350 ± 5 for 5 sec.	50	-40~+85	-40~+100

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specify ratings in this table will result degradation of LED life-span and may cause LED to fail.

* I_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:

unit:mm

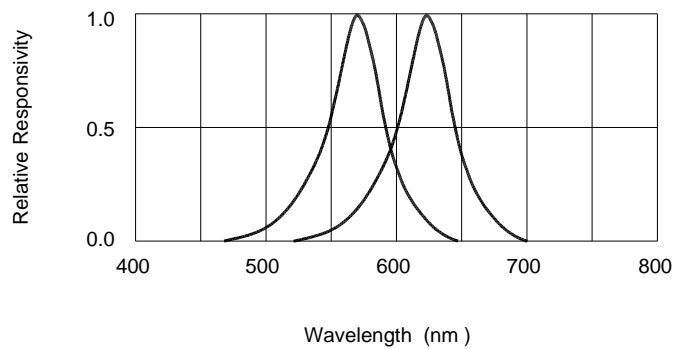
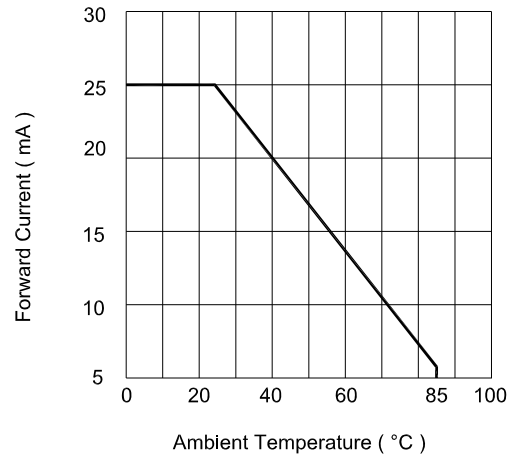
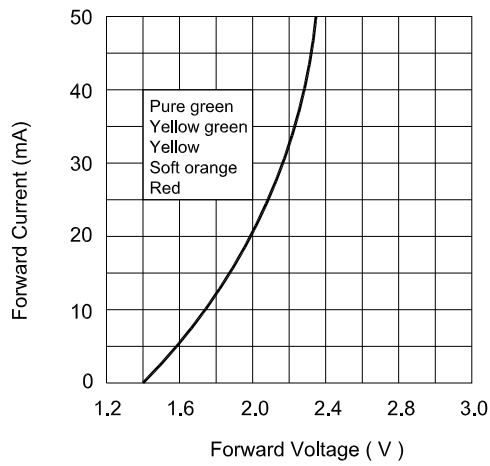
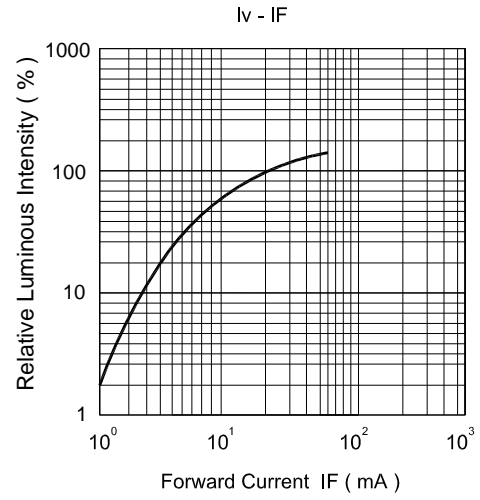
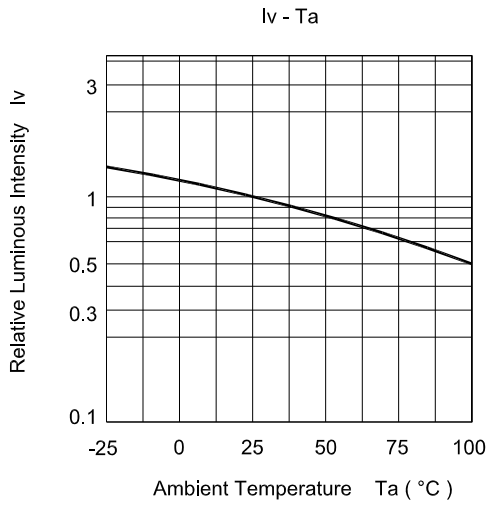


Recommended Soldering Pad

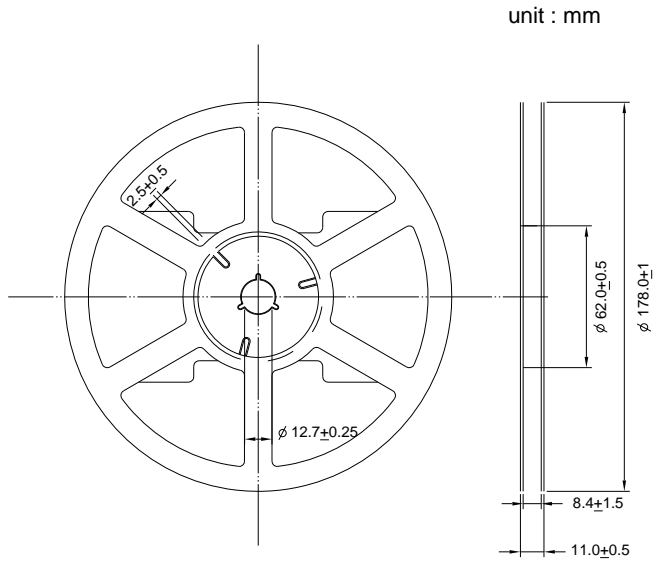
Notes:

1. All dimensions are millimeters.
2. Tolerance is ± 0.2 mm unless otherwise specified.
3. Specifications are subject to change without notice.

Optical Characteristics Curves

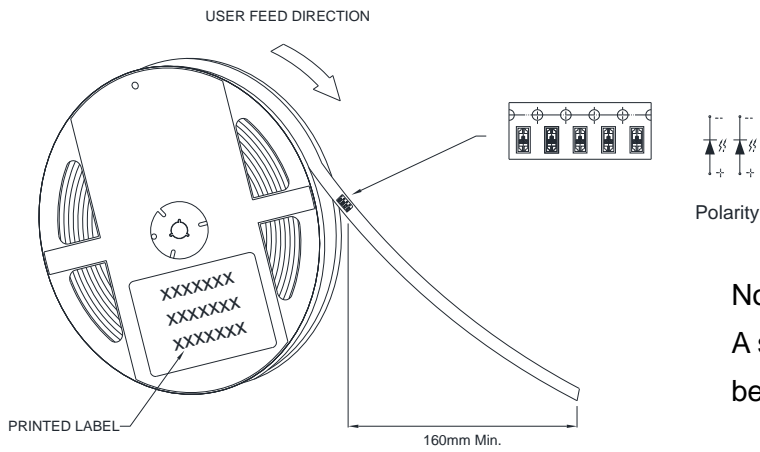


Reel Dimension:



Note:

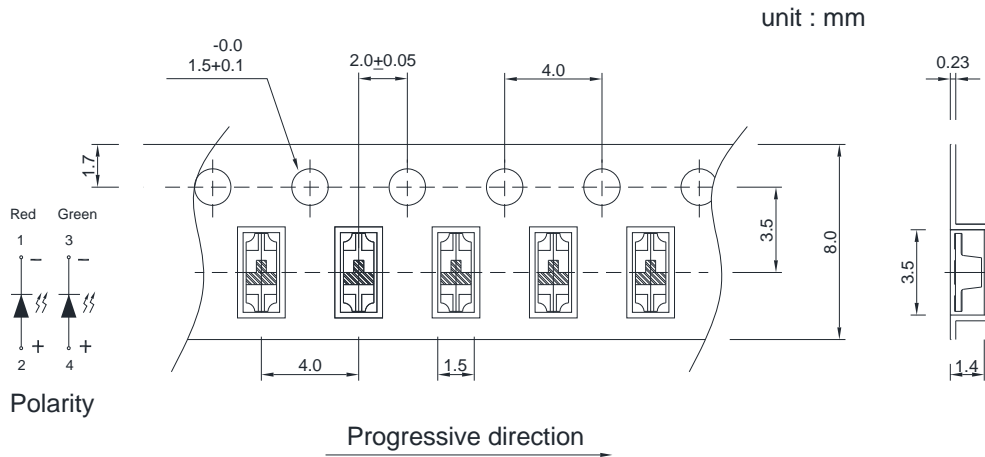
Available in 8mm carrier tape on 178mm diameter reels. (2000 pieces)



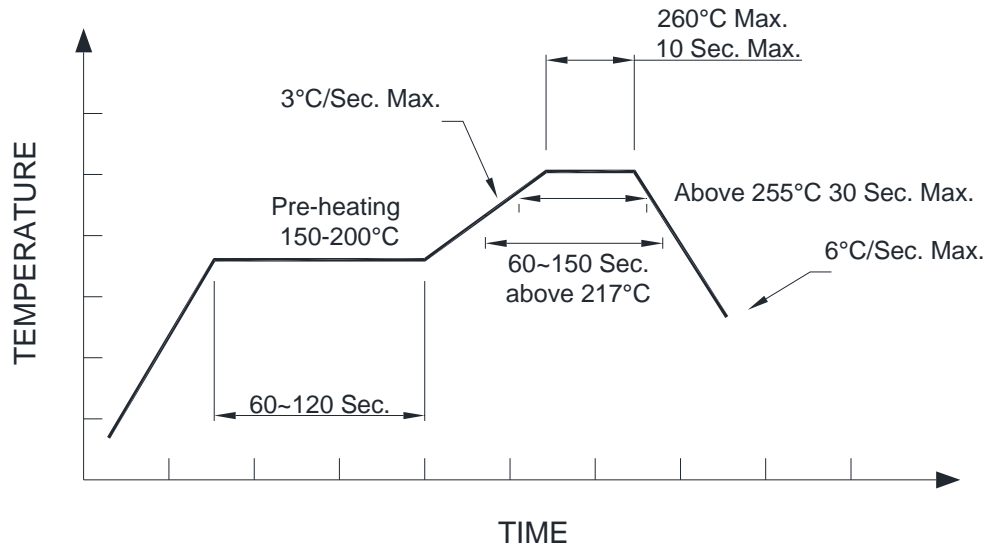
Note:

A spacing of approximately 160mm between the front edge of tape

Tape Dimension:



Recommended Pb-free re-flow soldering profile:



Note:

All the specifications listed in this data sheet are suitable for general electronic equipment, office equipment and communication devices. Kindly consult Sales Representatives for specific reliabilities request, Forward Voltage, Luminous Intensity, Wavelength, Radiant Power or Viewing Angle.