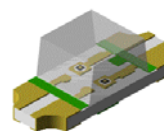


1205 Reverse Package Bi-Color LED

VS 8KD8

Description

This is Bi-Color reverse type SMT 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/ Green, Yellow/Green or even Yellow/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	Emitted Color	λ (nm)		Iv(mcd)		VF(V)		View Angle	Lens
		λ_d	λ_p	Min	Typ.	Typ.	Max.		
VS 8KD8	Yellow 	589	591	35.5	85	2.0	2.4	130	Clear
	Green 	573	575	18	60	2.0	2.4		

Absolute Maximum Ratings (at Ta=25°C)

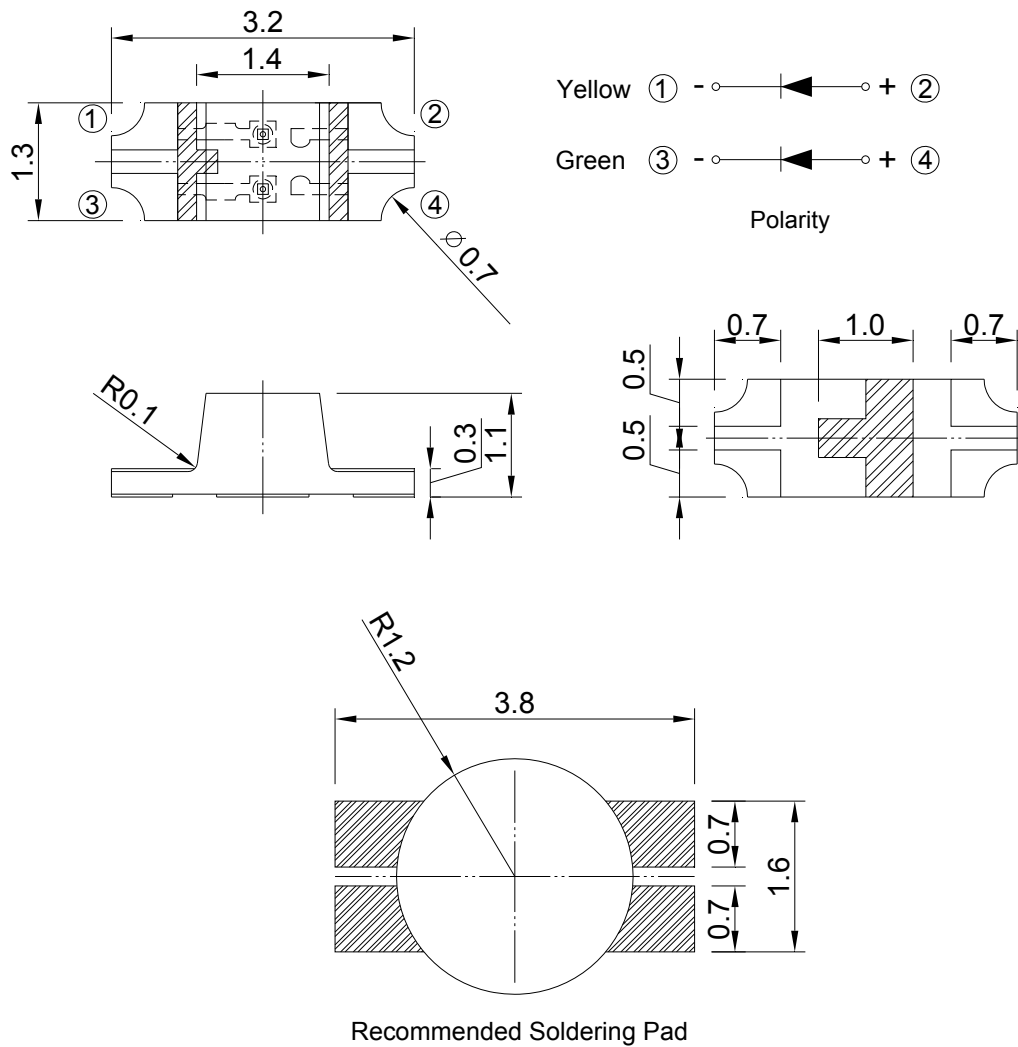
Emitted Color	P _D (mW)	I _F (mA)	I _{FP} (mA)	I _R (uA)@VR=5V	Topr(°C)	Tstg(°C)
Yellow	60	25	100*	10	-40~+85	-40~+90
Green	60	25	100*	10	-40~+85	-40~+90

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified 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:

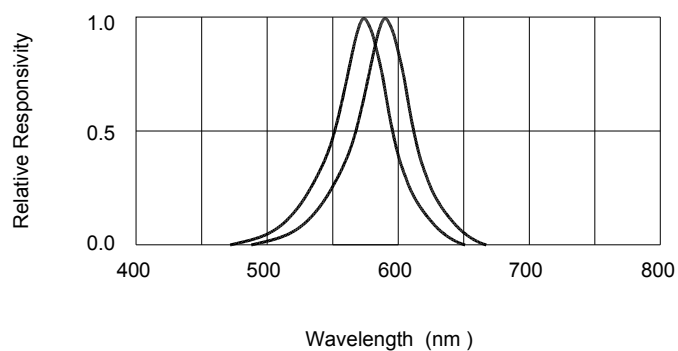
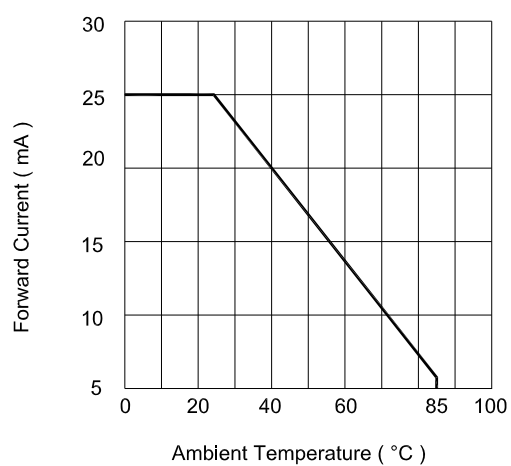
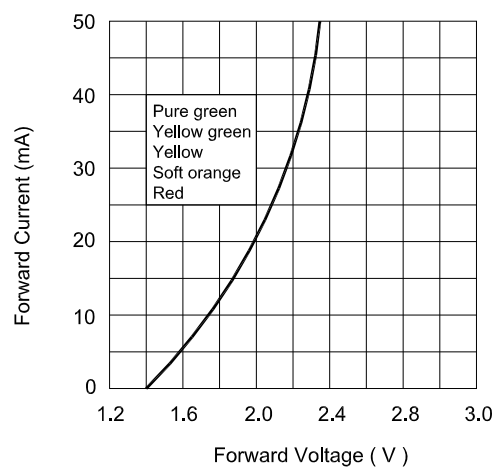
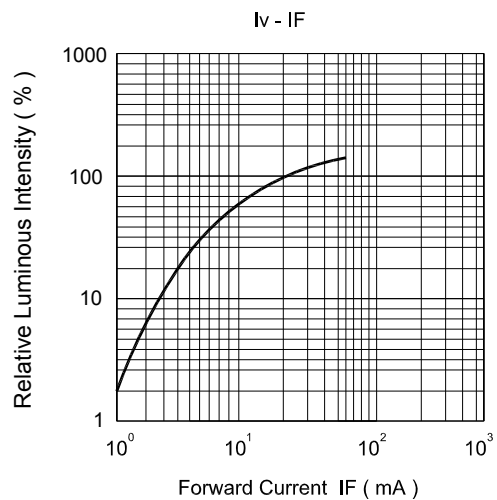
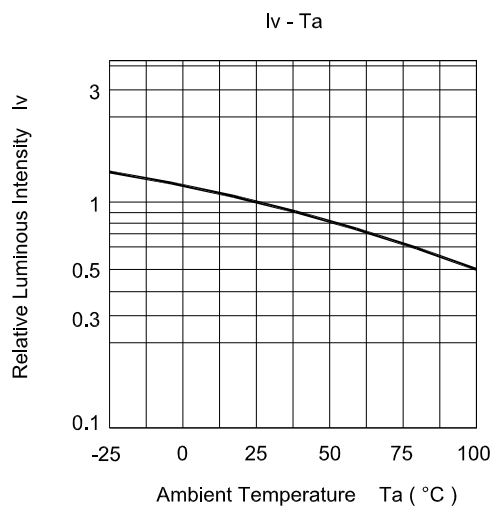
unit:mm



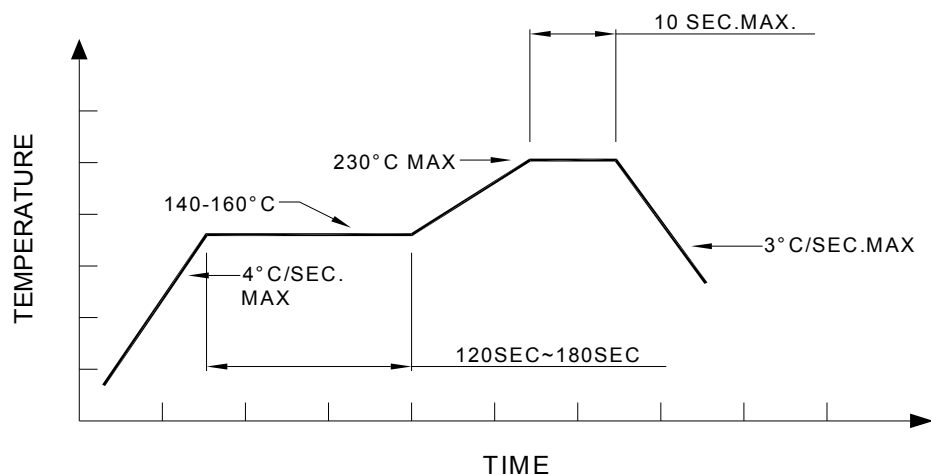
Notes:

1. All dimensions are millimeters.
2. Tolerance is $\pm 0.2\text{mm}$ unless otherwise specified.
3. Specifications are subject to change without notice.

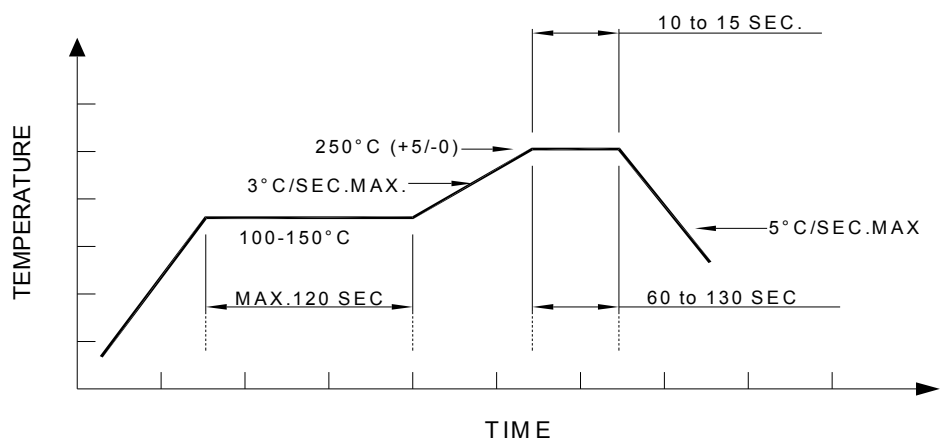
Optical Characteristics Curves



Recommended re-flow soldering profile:



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.