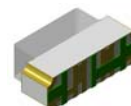


2.0x1.0mm Side View SMD Bi-Color LED

VS 72TH8M

Description

This is Bi-Color side view SMD LED with dimension 2.0 mm (L) * 1.0 mm (W) * 0.6 mm (H). The unique of these LEDs are made from AlGaInP & InGaN 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 Red/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 5mA):

Part Number	Color	λ (nm)		Iv(mcd)		VF(Volt)		View Angle	Lens
		λ_d	λ_p	Min	Typ.	Min.	Max.		
VS 72TH8M	Blue 	470	468	23	36	2.7	3.2	130	Clear
	Red 	631	639	14	25	1.6	2.2		

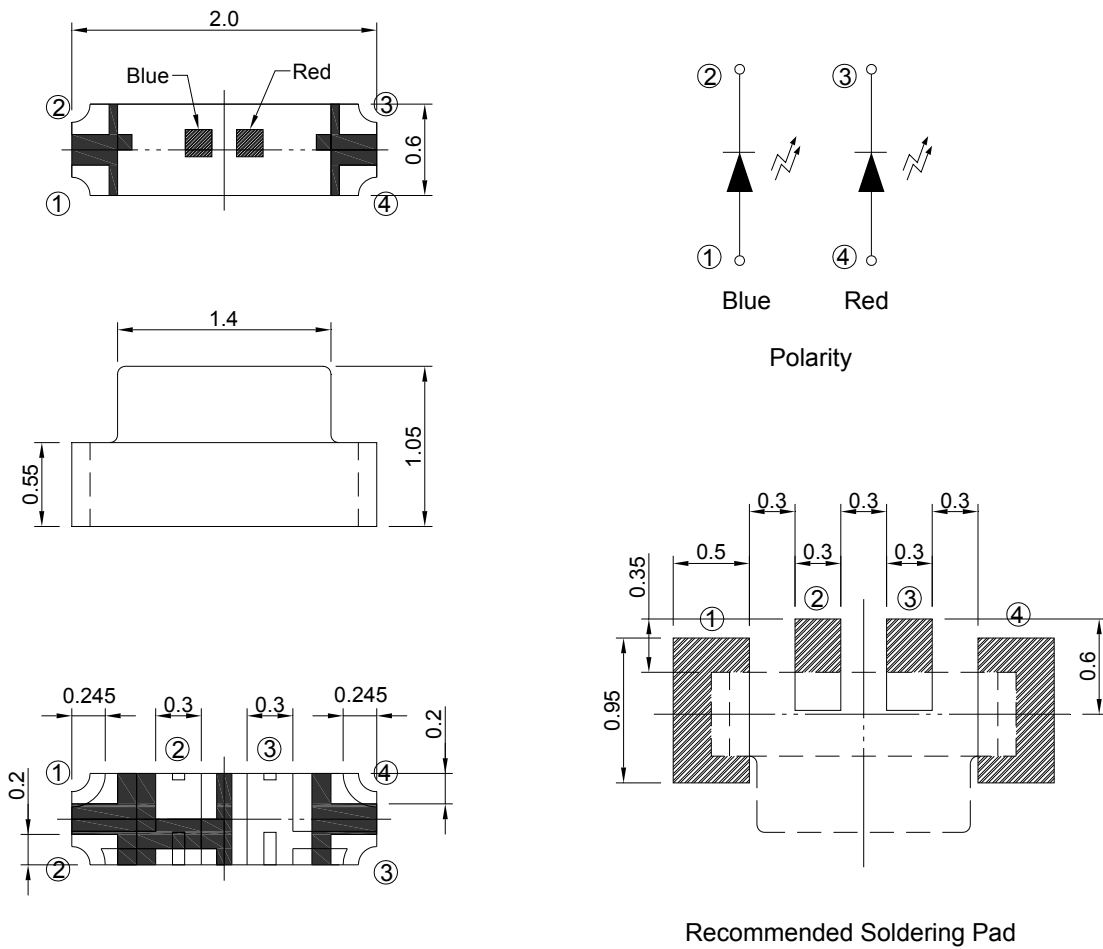
Absolute Maximum Ratings (at Ta=25°C)

Emitted Color	P _D (mW)	I _F (mA)	Iron Solder (°C)	I _R (uA)@V _R =5V	Topr(°C)	Tstg(°C)
Blue	95	25	350 ± 5 3 sec.	50	-40~+85	-40~+90
Red	60	25		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.

Package Dimension:

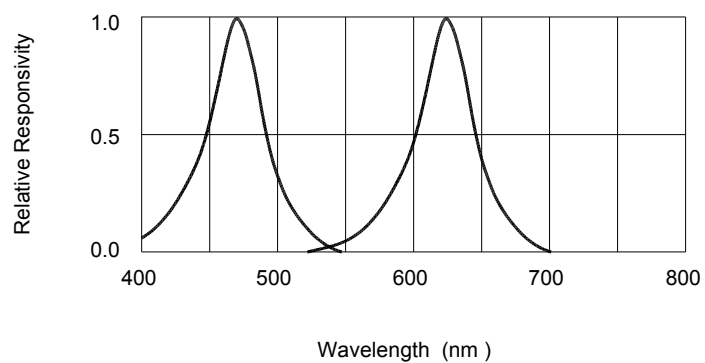
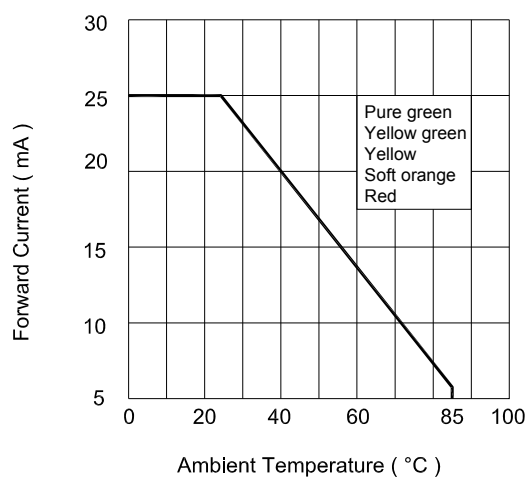
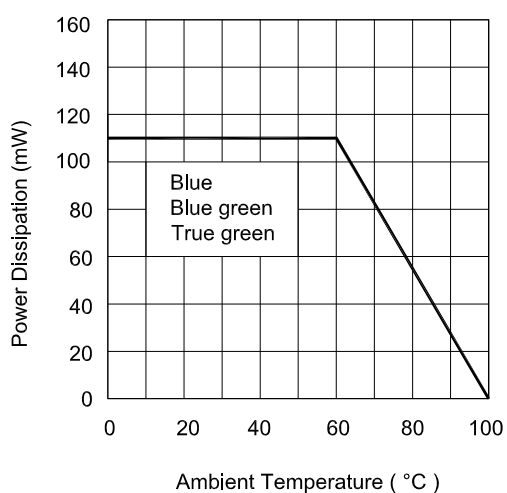
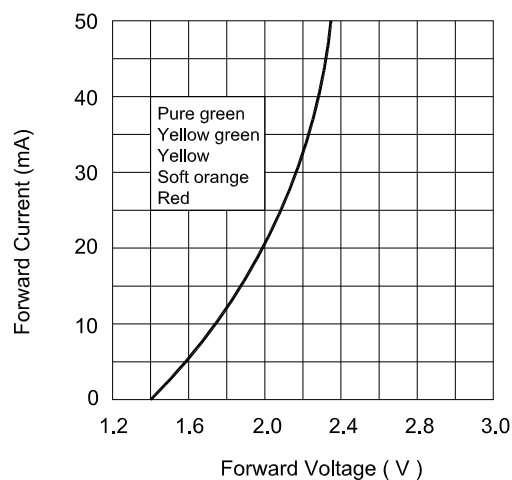
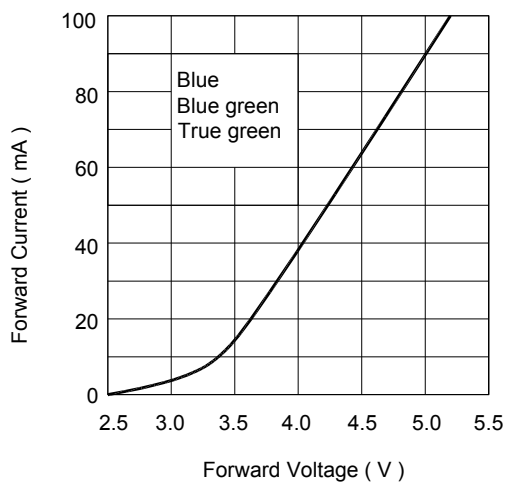
unit:mm



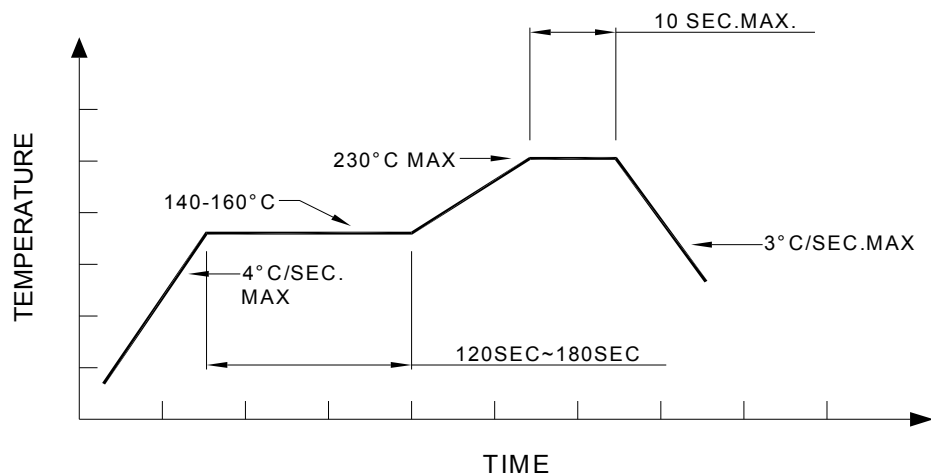
Notes:

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

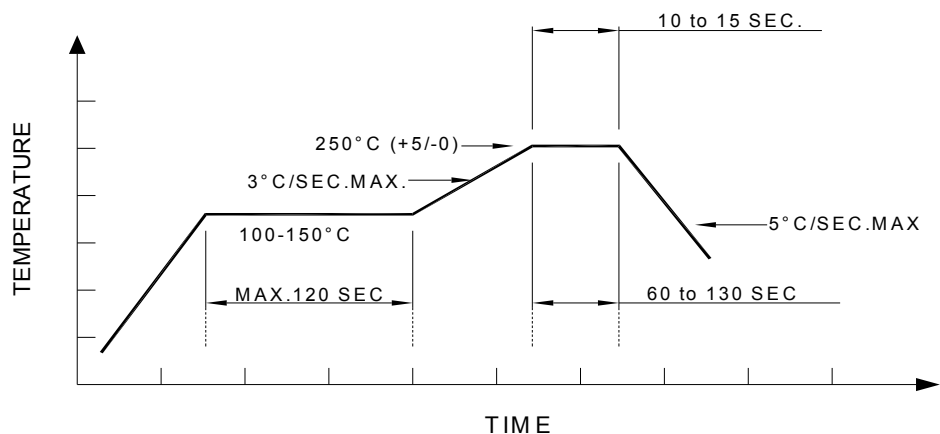
Optical Characteristics Curves



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.