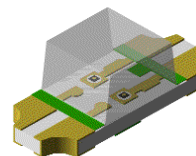


1205 Reverse Package SMT Bi-Color LED

VS 8MD8

Description

This is Bi-Color reverse type SMT LED with dimension 3.2 * 1.3 * 1.1mm. The unique of these LEDs are made from AlGaInP and 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/YELLOW GREEN, YELLOW/YELLOW GREEN or even ORANGE 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 (Volt)		View Angle	Lens
		λ_d	λ_p	Min	Typ.	Typ.	Max.		
VS 8MD8	Orange-yellow 	605	611	45	90	2.0	2.4	130	Clear
	Blue 	470	468	28	50	3.5	4.0		

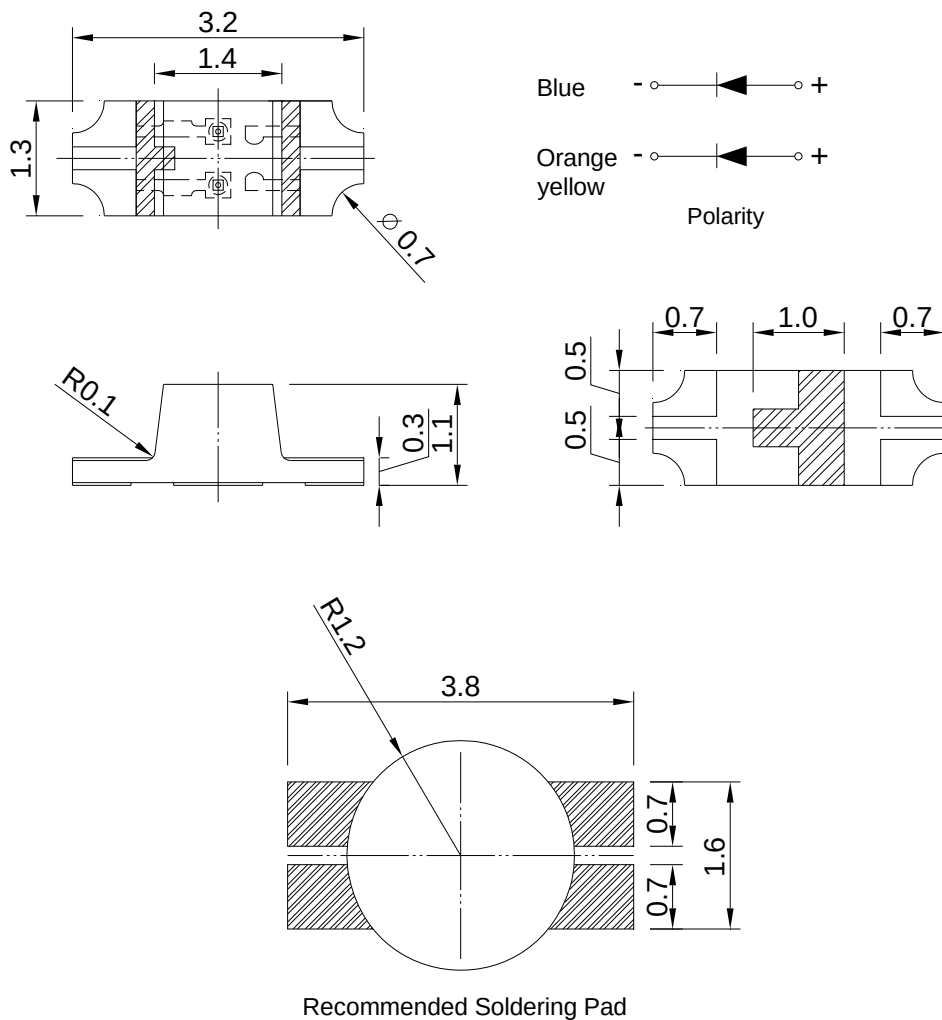
Absolute Maximum Ratings (at Ta=25°C)

Emitted Color	P _D (mW)	I _F (mA)	ESD (V)	I _R (uA)@VR=5V	Topr (°C)	Tstg (°C)
Orange yellow (605nm)	60	25	2000	10	-40~+85	-40~+90
Blue (470nm)	110	25	150	50	-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:

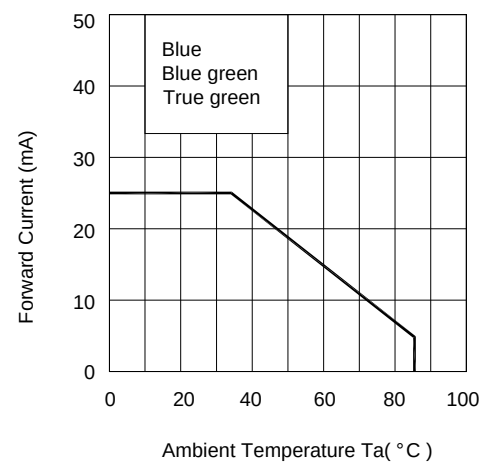
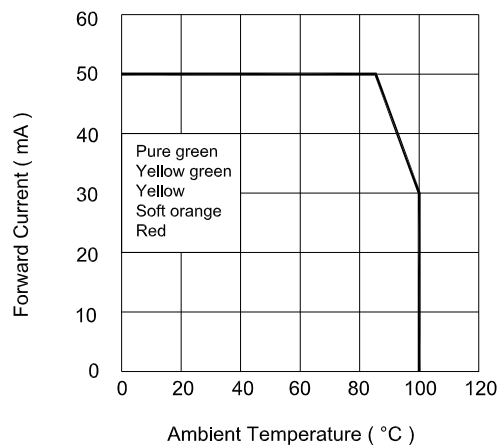
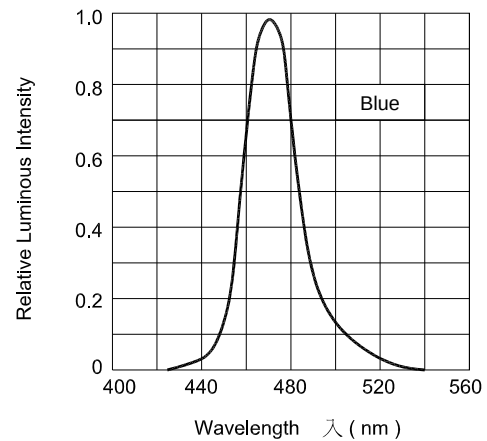
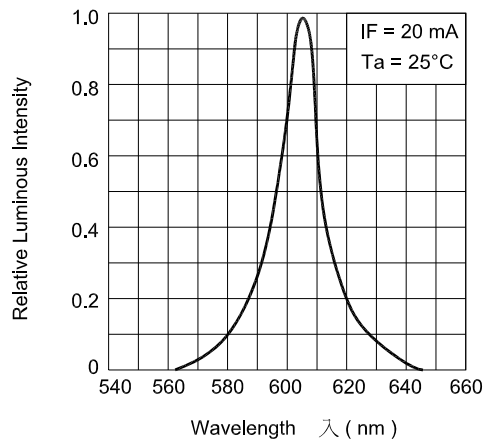
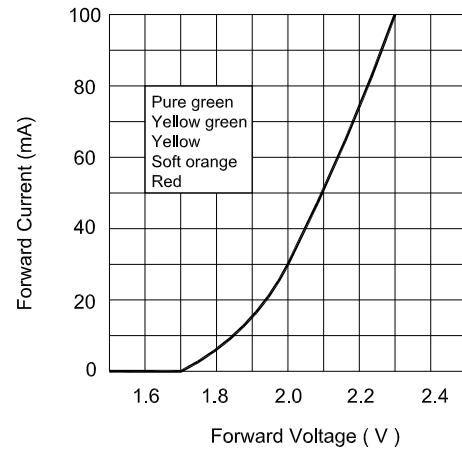
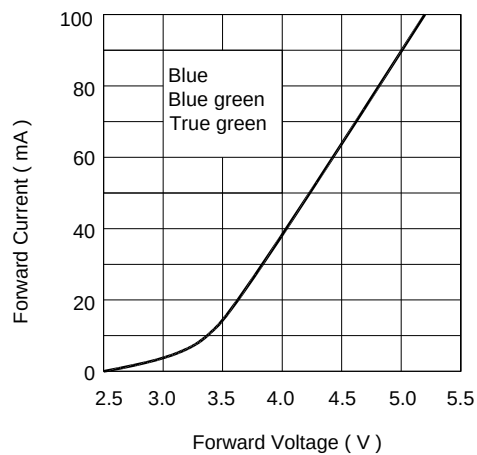
unit:mm



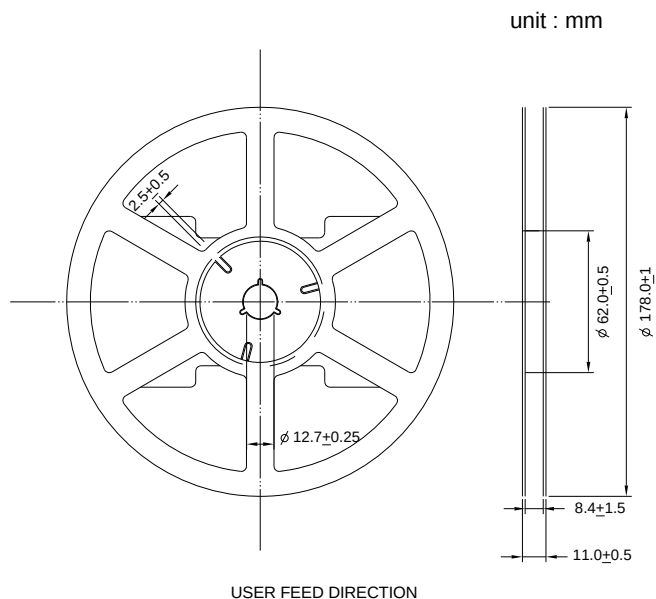
Notes:

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

Optical Characteristics Curves

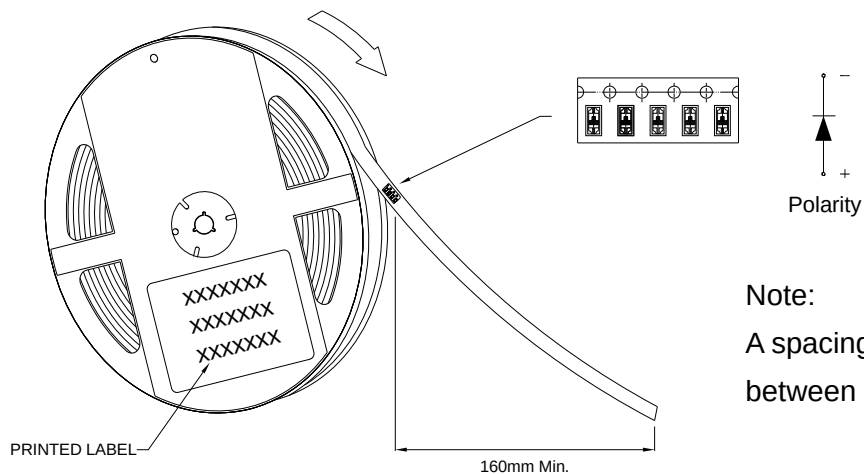


Reel Dimension:



Note:

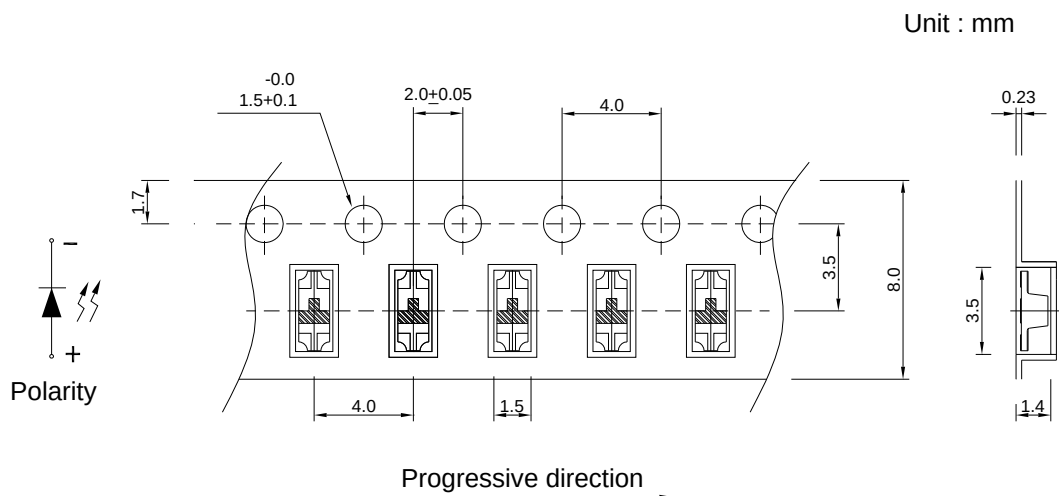
Available in 8mm carrier tape on 178mm diameter reels. (2000 pieces)



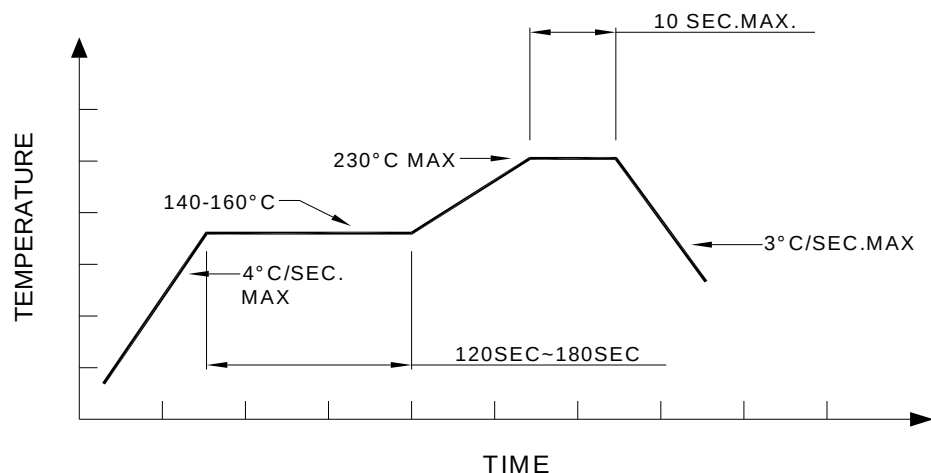
Note:

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

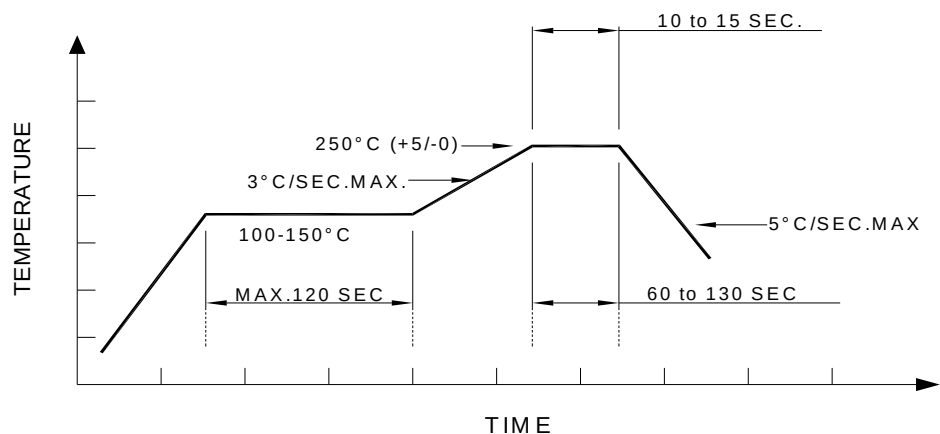
Tape Dimension:



Recommended 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.