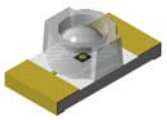
1206 Reverse Package SMD LED

VS 8678

Description

The major breakthrough in VS 8678 Series is yellow color emitted, package in dimension L x W x H, 3.2 * 1.6 * 1.1mm with small view angle. The dice used in this series is AlGaInP material rather than the conventional GaP and GaAsP/GaP. The advantages of AlGaInP are low power consumption and obtaining high luminous intensity under low current driving condition. The Wavelengths and Luminous Intensities of this series are grouped under 20mA for uniformity. These LEDs are suitable for multiple usages in series connection applications.



RoHS

Pb

pb-free

Applications

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

Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle	V_F(V)	
		λ d	λ p		Min.	Typ.		Typ.	Max.
VS 8678	Yellow	589	591	Clear	180	280	60	2.0	2.4

Absolute Maximum Ratings (at Ta=25℃)

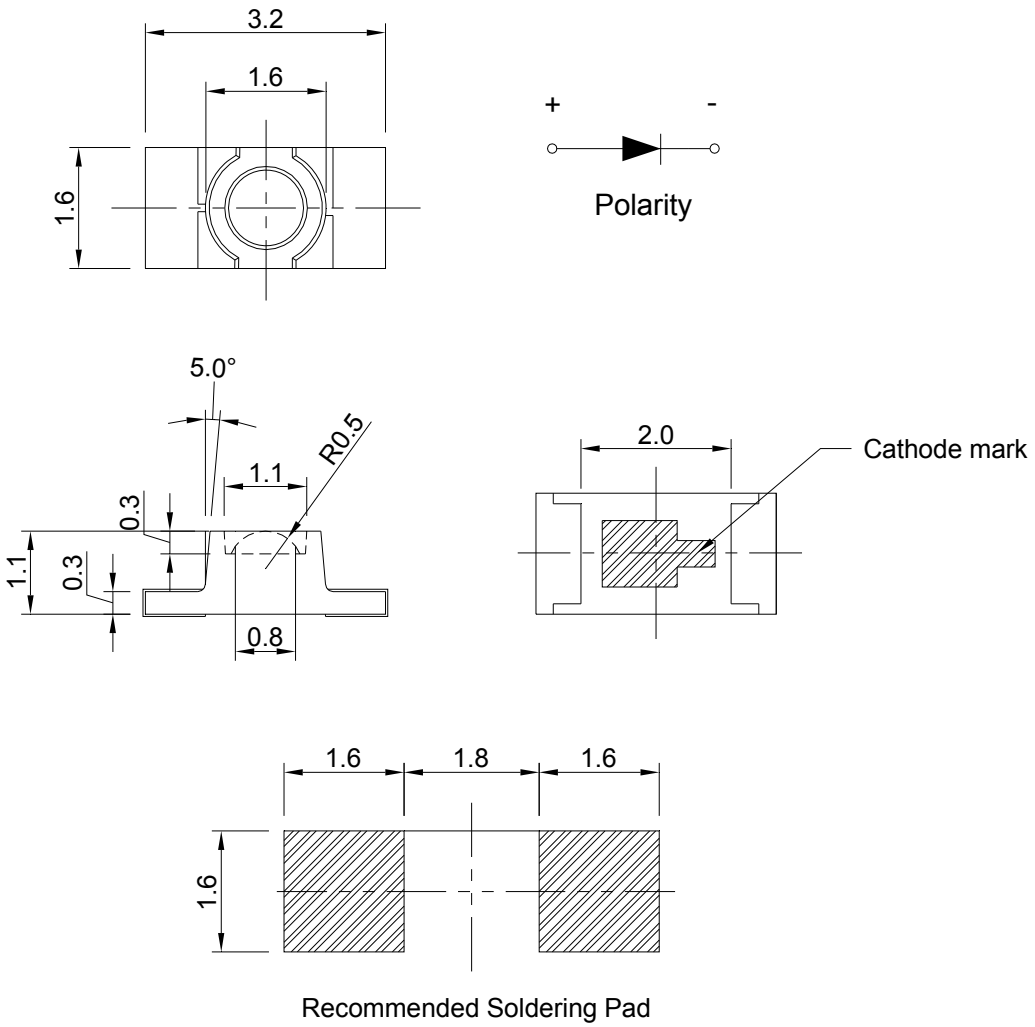
P_D (mW)	I_{FP}(mA)	I_F(mA)	Iron Solder (℃)	I_R(uA)@$V_{R=}$5V	Topr(℃)	Tstg(℃)
60	100*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+100

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



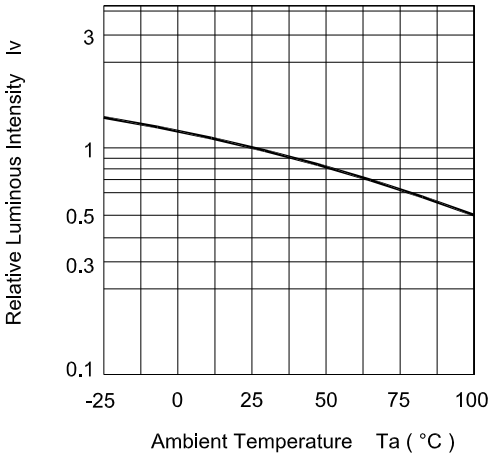
Recommended Soldering Pad

Notes:

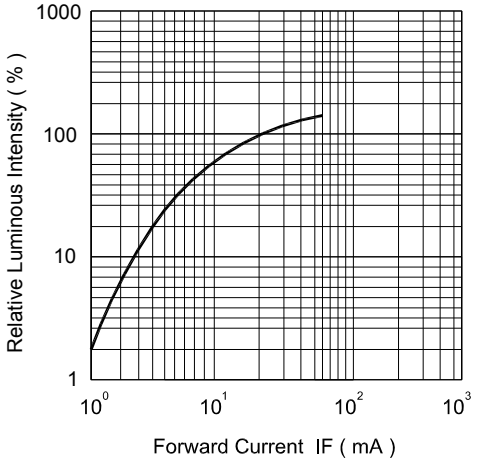
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

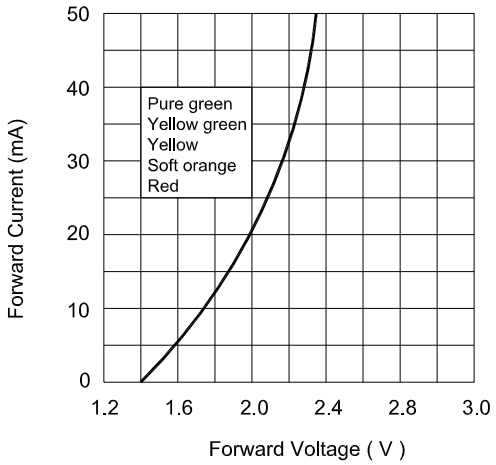
Optical Characteristics Curves

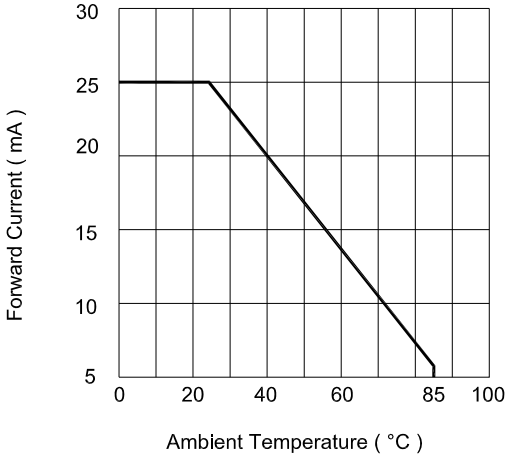
Iv - Ta

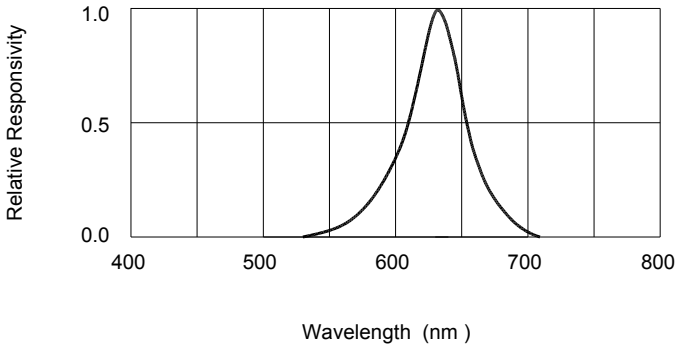


Iv - IF



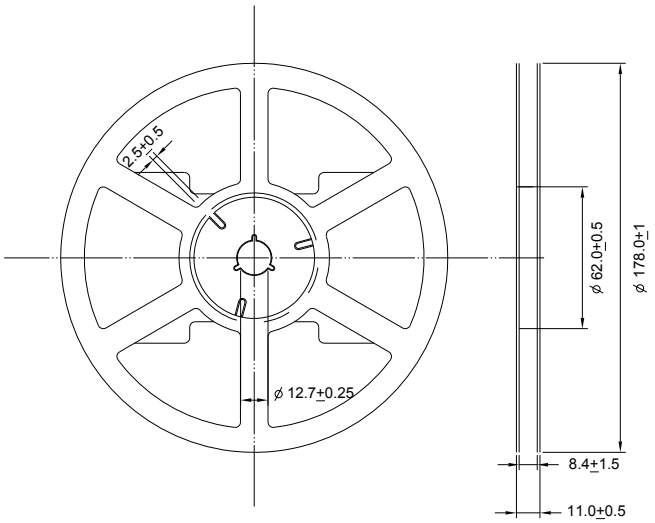






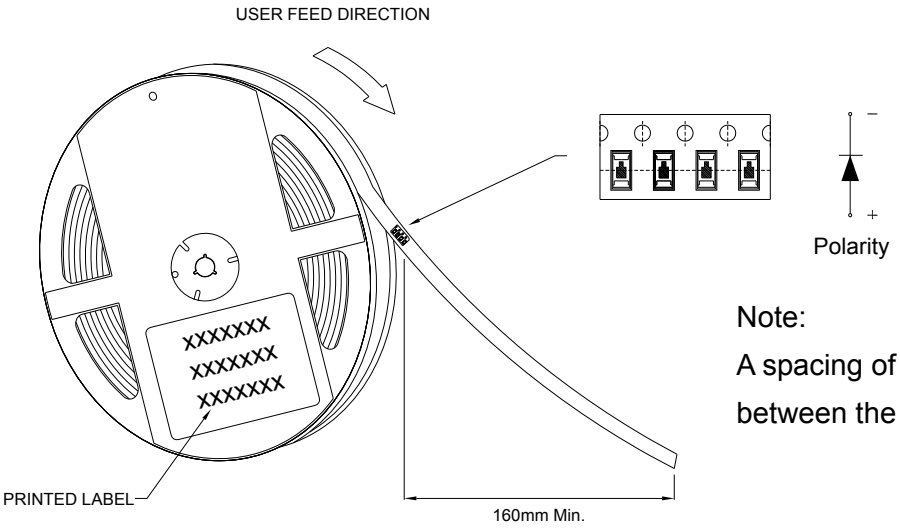
Reel Dimension:

unit : mm



Note:

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

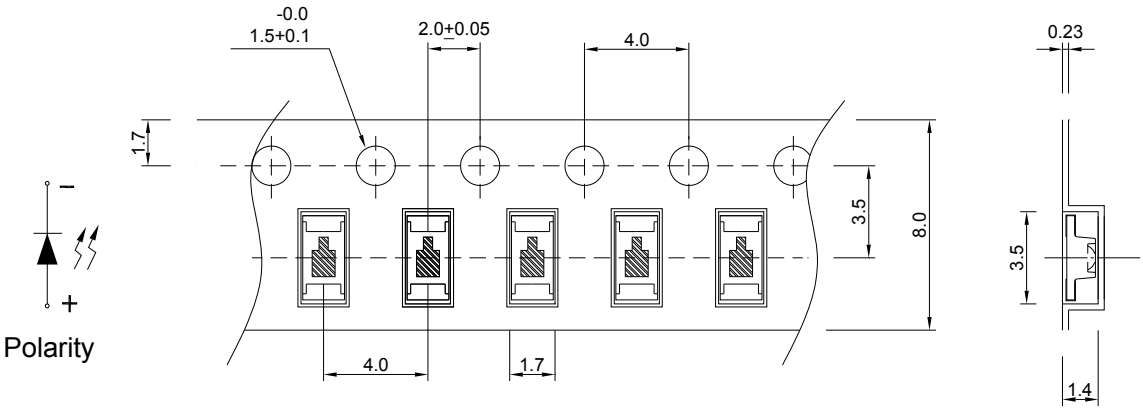


Note:

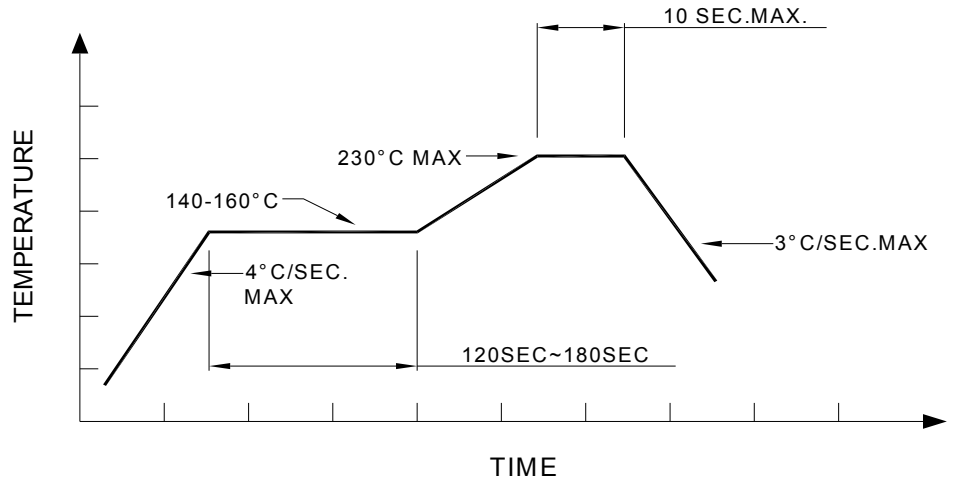
A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

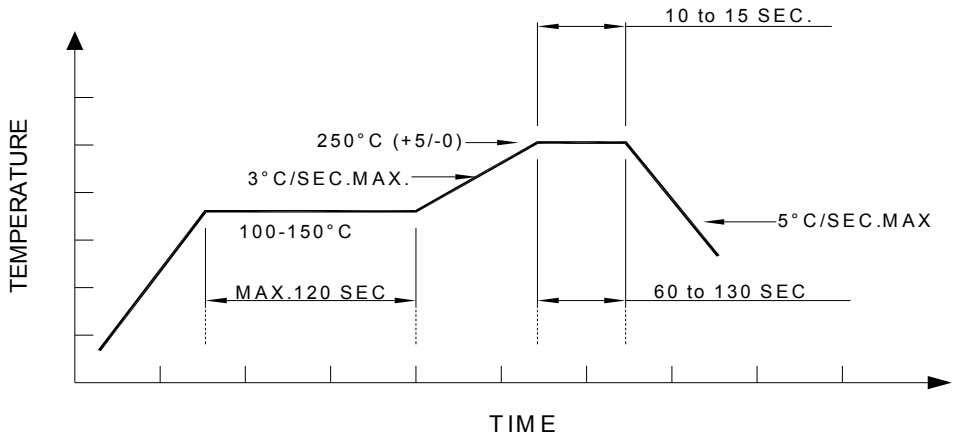
unit:mm



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.