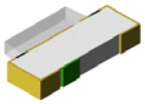
Side View SMD LED 0.3mm Height

VS 76E8M

Description

The major breakthrough in VS 76E8M is Yellow color emitted package in 1.8 * 1.0 * 0.3mm dimension side look SMD LED. The dice used in this series is AlGaInP 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 5 mA for uniformity. These LED are suitable for multiple usages in series connection applications.



Applications

- Backlighting applications
- Automotive features
- Status indication
- General lighting indictor

RoHS

Pb
pb-free

Electronic Optical Characteristics (at 5 mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle	V_F(V)	
		λ d	λ p		Min.	Typ.		Typ.	Max.
VS 76E8M	Yellow	589	591	Clear	18	35	130	1.9	2.2

Absolute Maximum Ratings (at Ta=25℃)

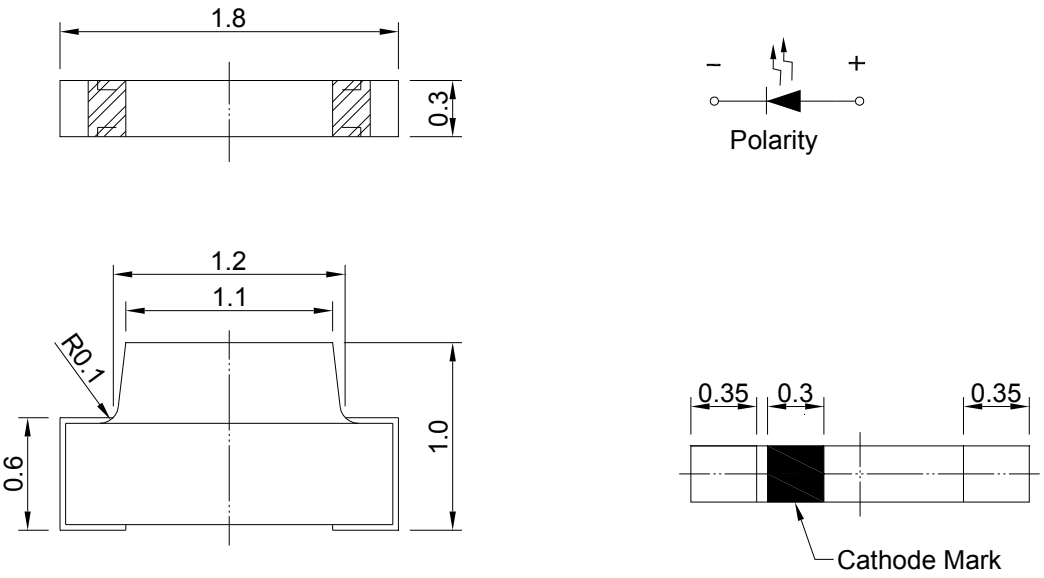
P_D(mW)	I_{PF}(mA)	I_F(mA)	Iron Solder(℃)	I_R(uA)@$V_{R=}$5V	Topr(℃)	Tstg(℃)
60	100	25	350 ± 5 for 3 sec	10	-40~+85	-40~+100

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

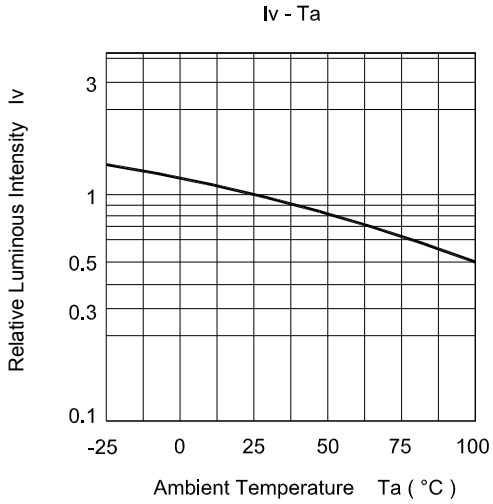
unit:mm

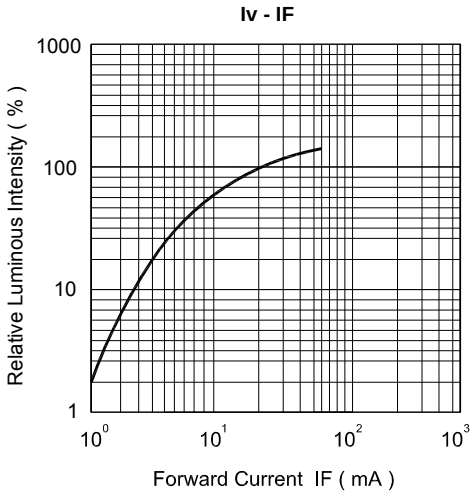


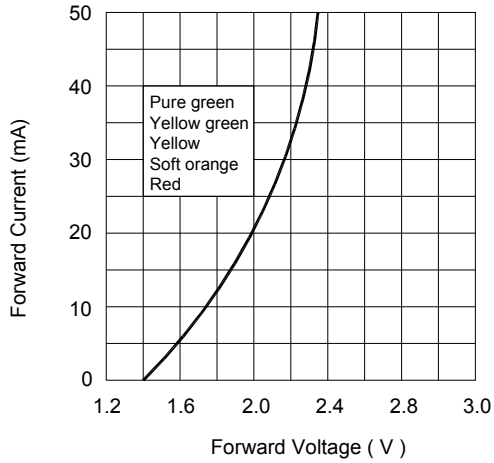
Notes:

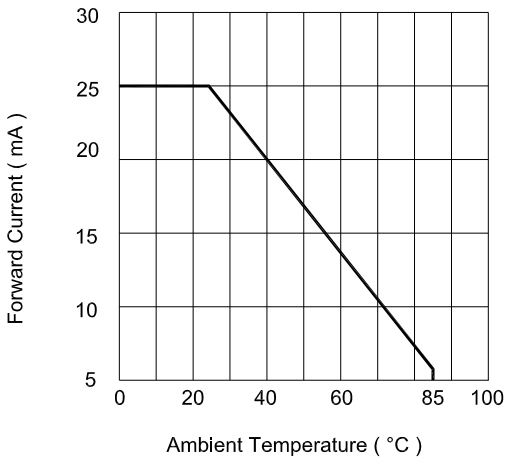
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

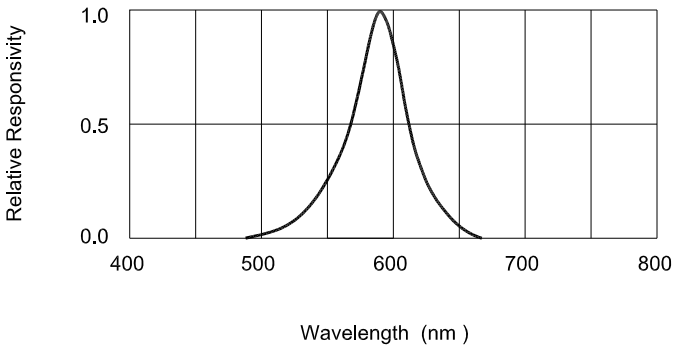
Optical Characteristics Curves





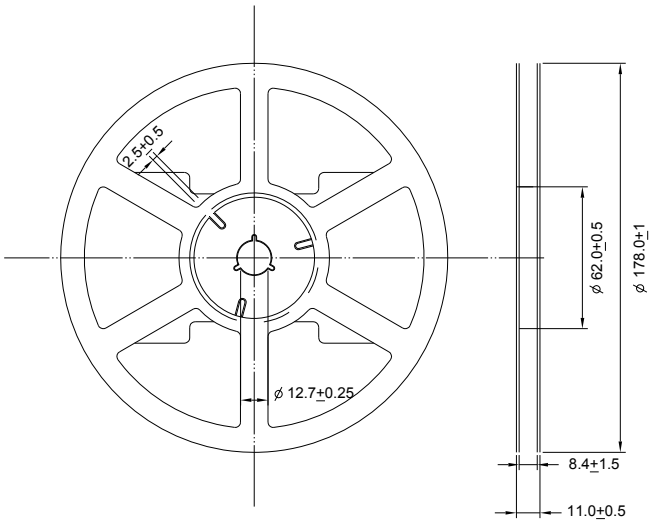






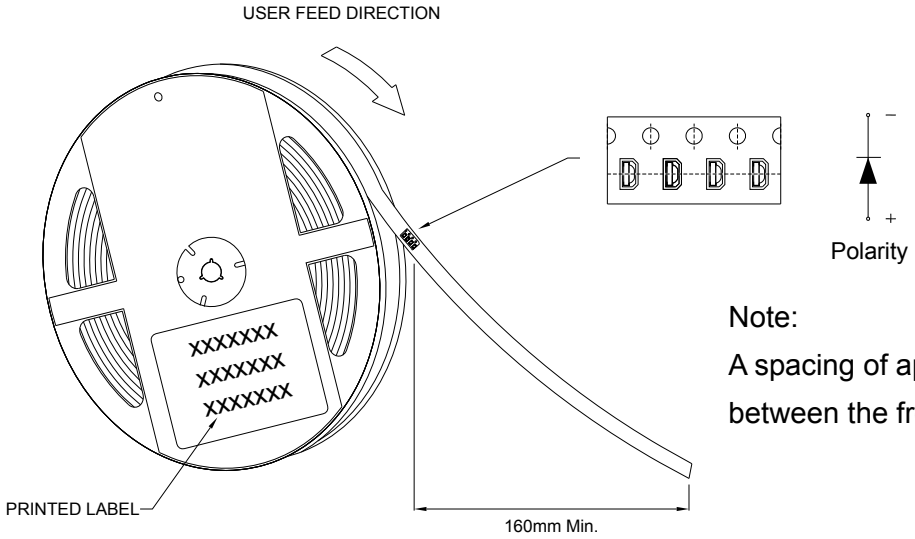
Reel Dimension:

unit : mm



Note:

Available in 8mm carrier tape on 178mm diameter reels. (3000 pieces)

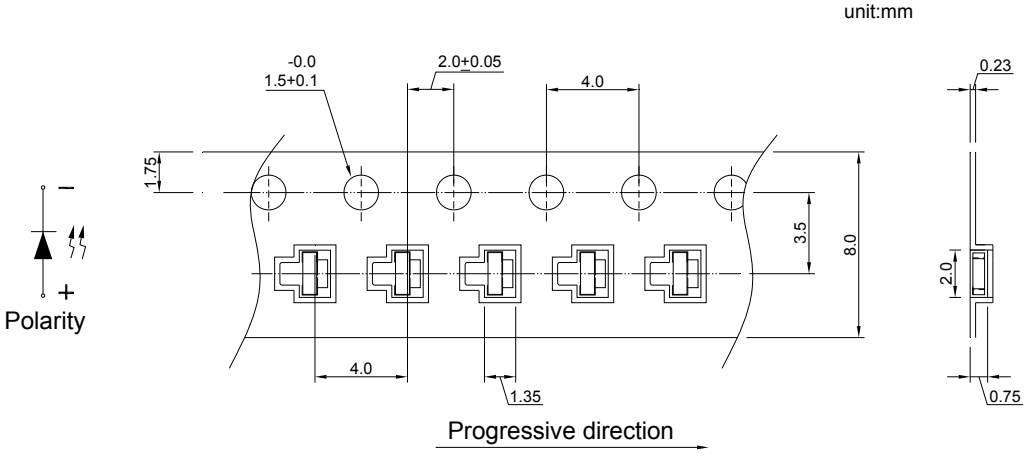


Note:

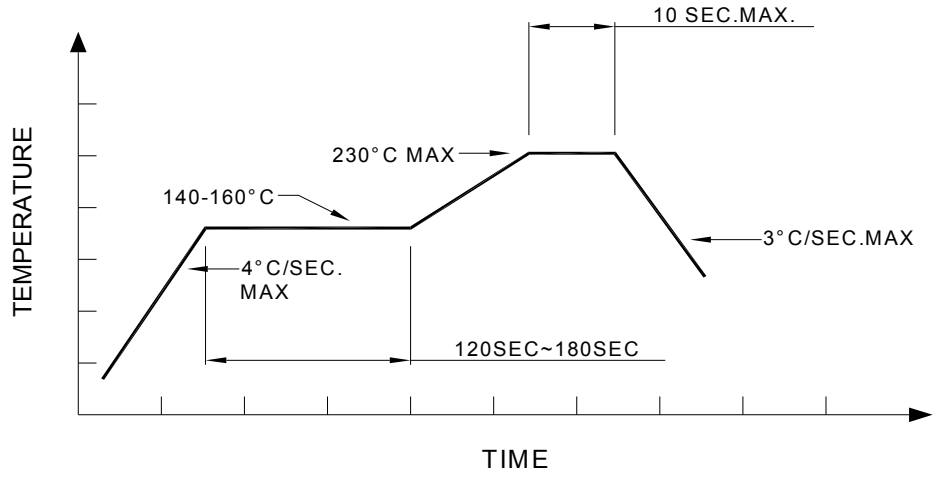
A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

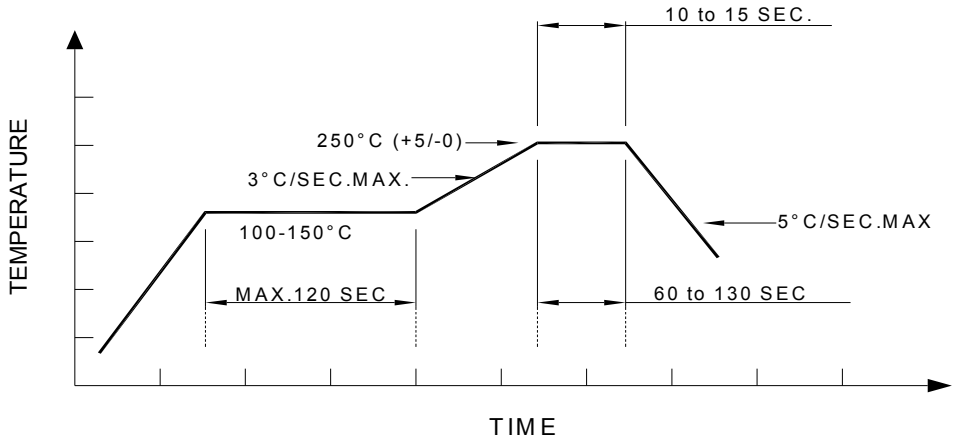
unit:mm



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.