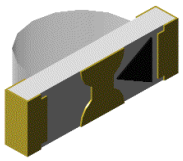
Side View SMD LED 1.0mm Height

VS 75A8

Description

The major breakthrough in VS 75A8 is Yellow-green color emitted package in 3.0 * 1.5 * 1.0mm dimension side look SMT 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.

Wavelengths and Luminous Intensities of this series are grouped under 20mA for uniformity. These LED are suitable for multiple usages in series connection applications.



RoHS

Pb
pb-free

Applications

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

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.	Max.		Typ.	Max
VS 75A8	Green	573	575	Clear	28	72	100	2.0	2.4

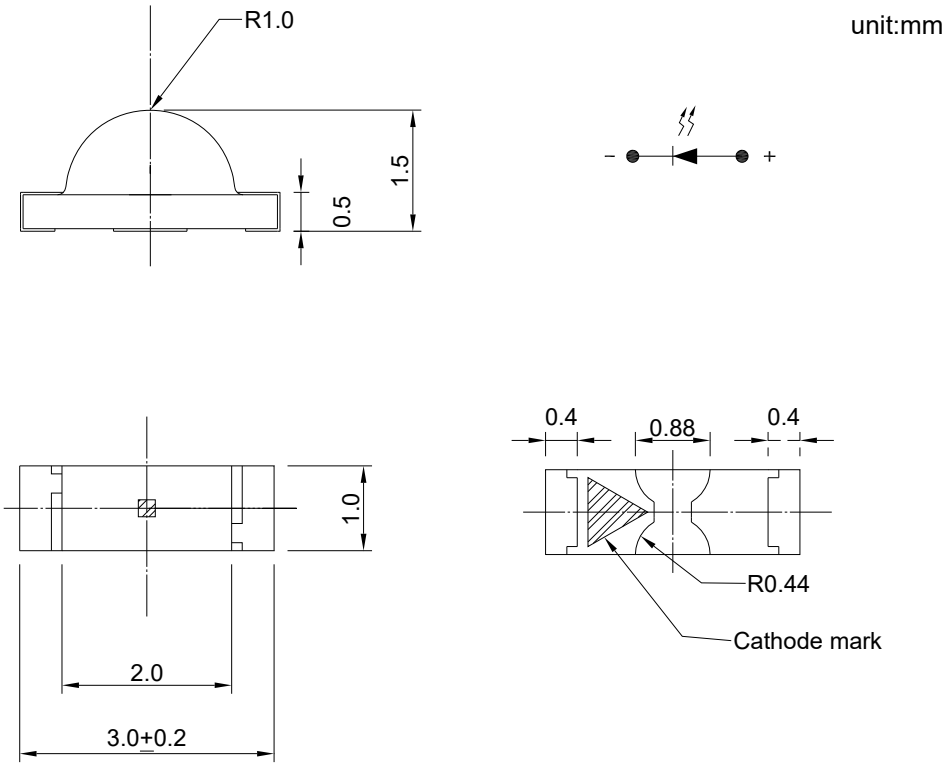
Absolute Maximum Ratings (at Ta=25℃)

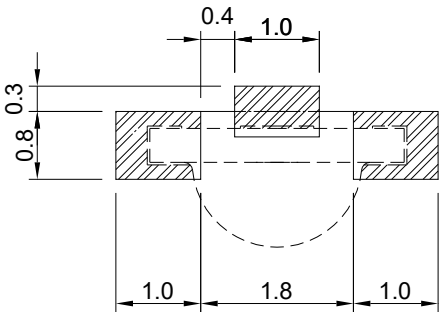
P_D(mW)	I_{FP}(mA)	I_F(mA)	Iron Solder(℃)	I_R(uA)@V_R=5V	Topr(℃)	Tstg(℃)
60	60	25	350 ± 5 for 3 sec	10	-40~+85	-40~+90

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:





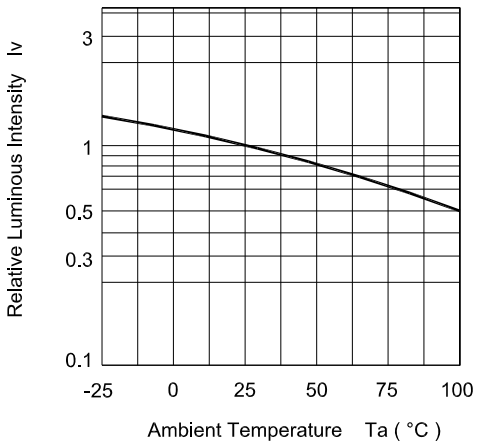
Recommended Soldering Pad

Notes:

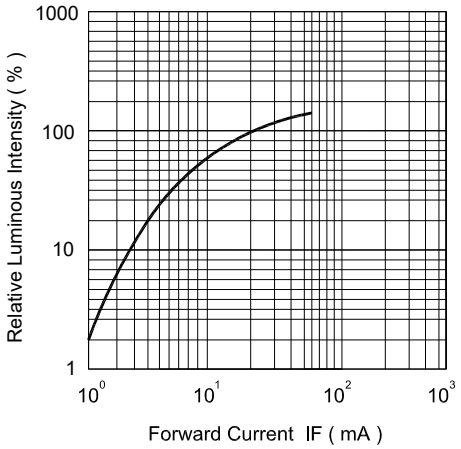
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

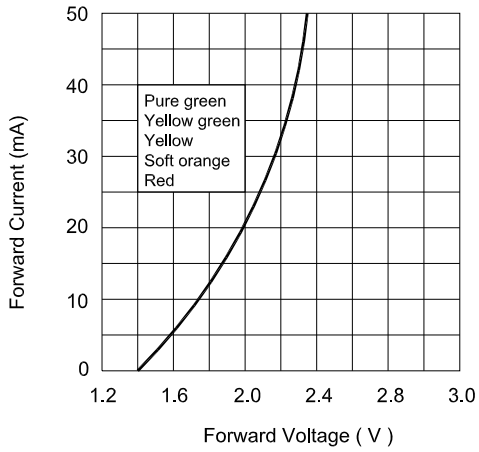
Optical Characteristics Curves

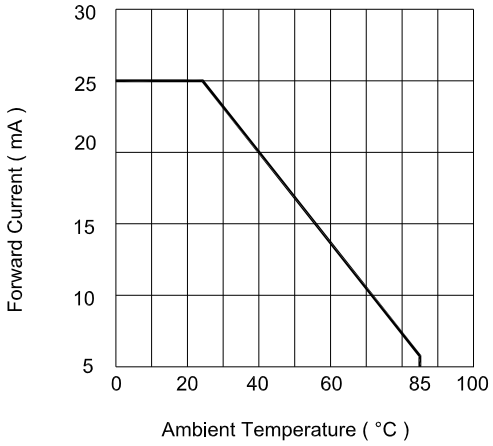
Iv - Ta

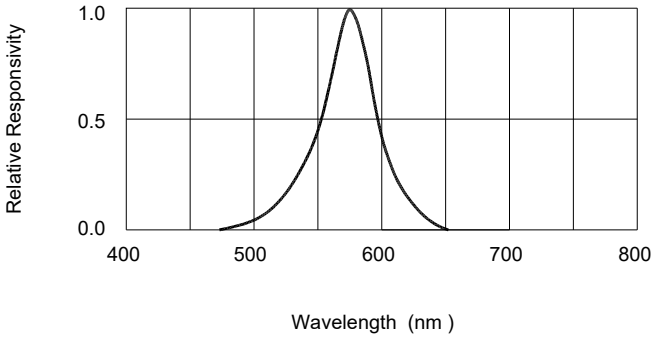


Iv - IF



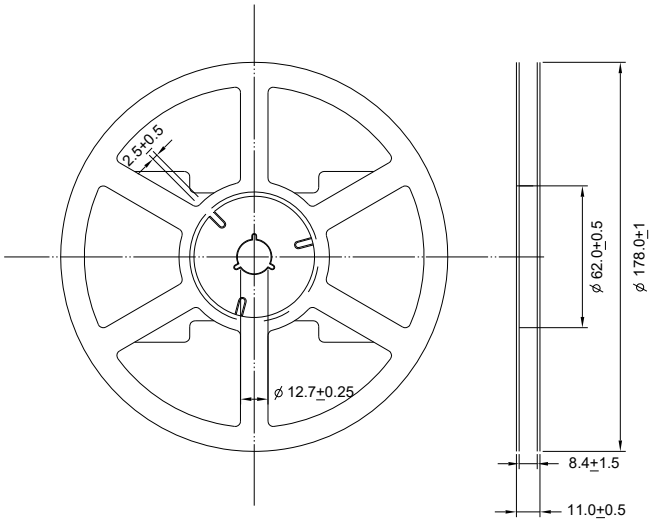






Reel Dimension:

unit : mm

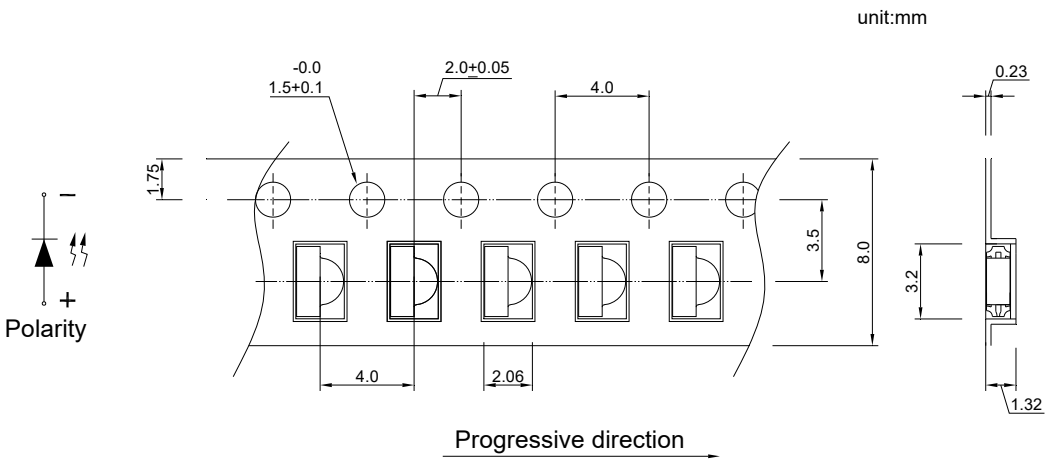


Note:

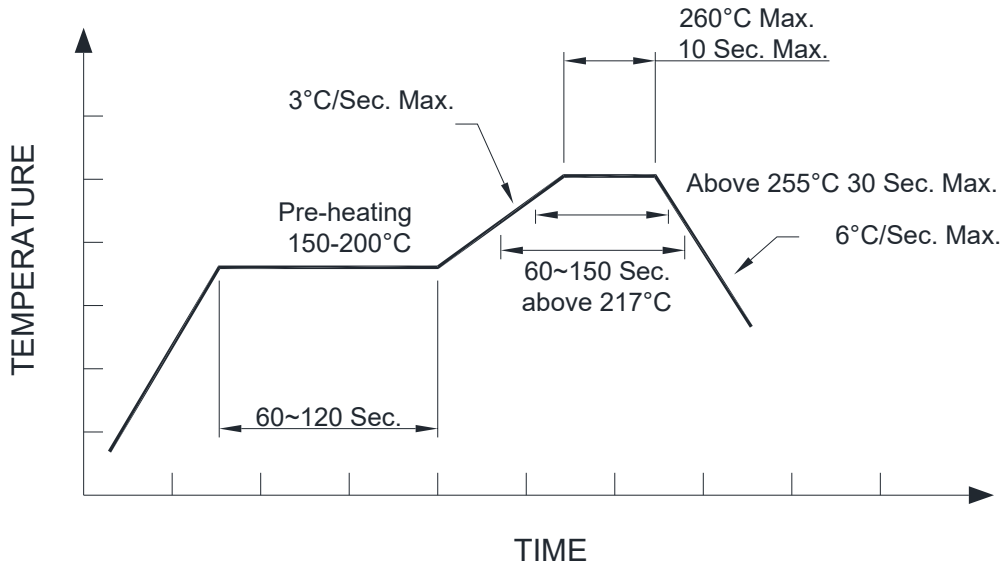
Available in 8mm carrier tape on 178mm diameter reels. (2,000 pieces)

Tape Dimension:

unit:mm



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.