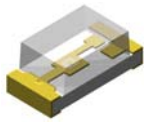
0603 Package SMD LED 0.6mm Height

VS 28D8

Description

The major breakthrough in VS 28D8 Yellow-orange color emitted is package in dimension L x W x H, 1.6 * 0.8 * 0.6 mm. 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 LED are suitable for multiple usages in series connection applications.



RoHS

Pb
pb-free

Application

- Cellular phone display
- Backlight keypads
- Industrial control systems signal indicator
- Automotive features

Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle	V_F(V)	
		λd	λp		Min.	Typ.		Min.	Max.
VS 28D8	Yellow-orange	605	610	Clear	72	90	120	2.0	2.4

Absolute Maximum Ratings (at Ta=25℃)

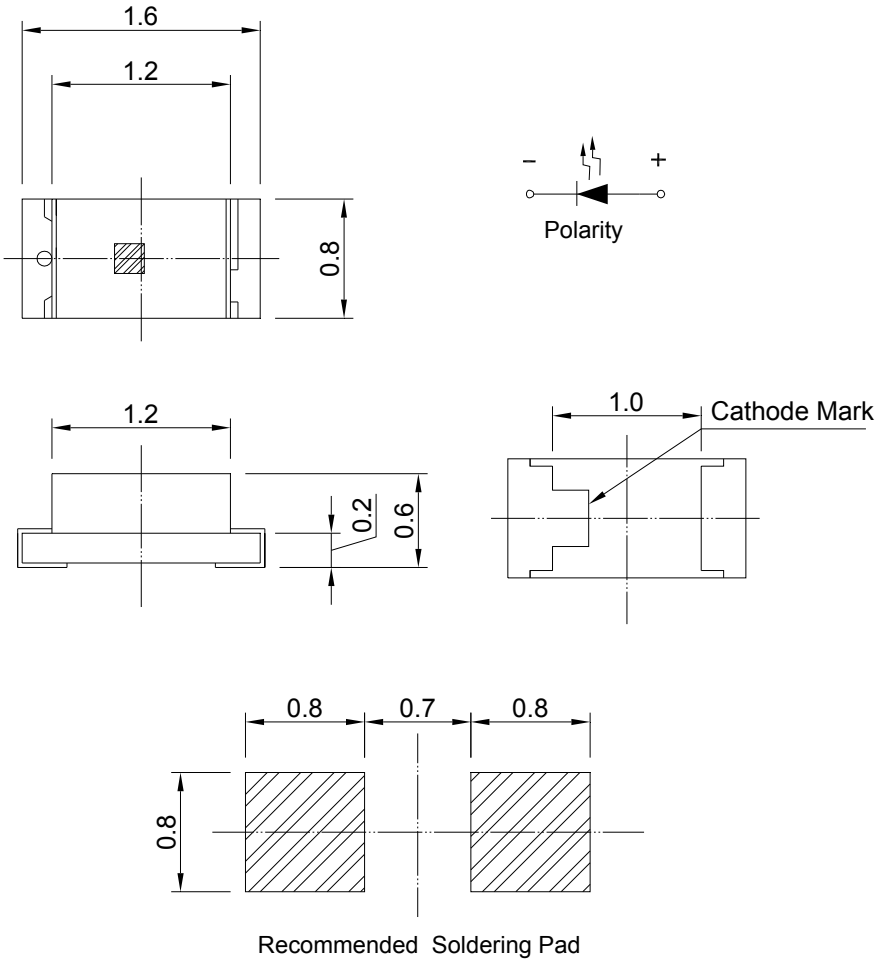
P_D(mW)	I_{FP}(mA)	I_F(mA)	Iron Solder (℃)	I_R(uA)@$V_{R=}$5V	Topr(℃)	Tstg(℃)
60	100*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+90

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:

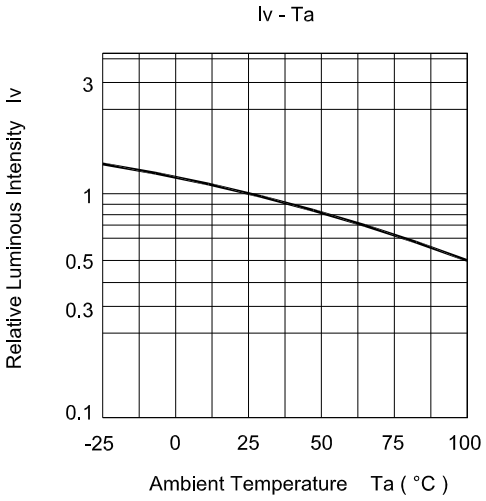
unit : mm

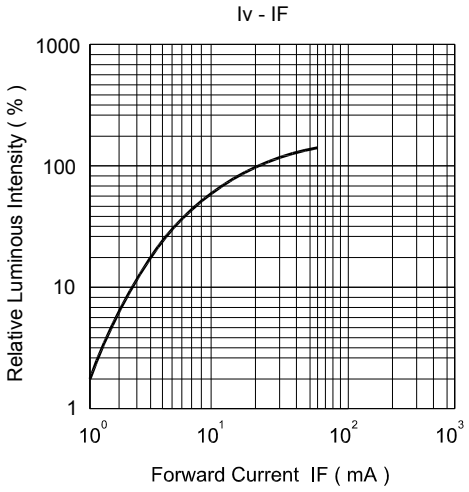


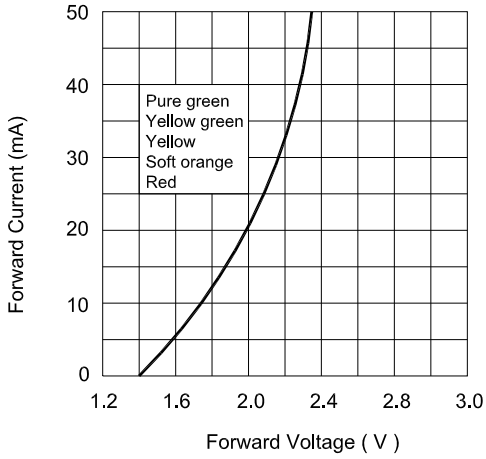
Notes:

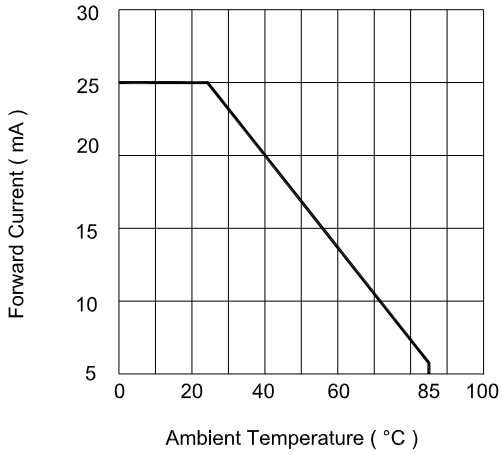
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

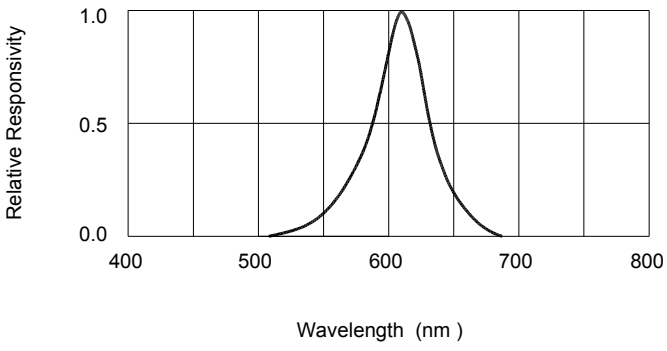
Optical Characteristics Curves





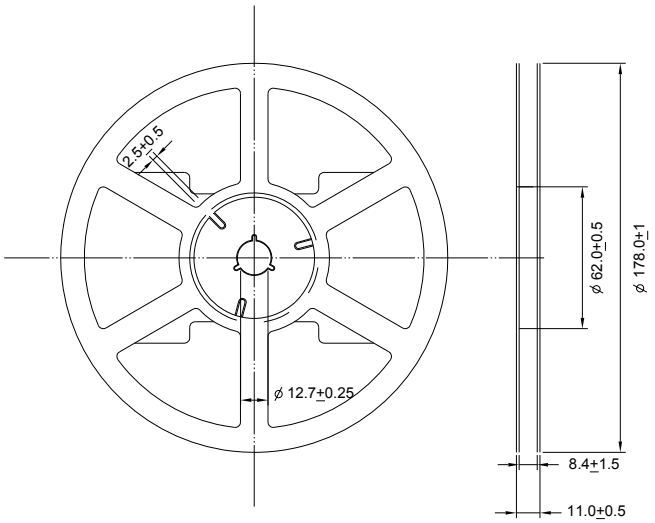






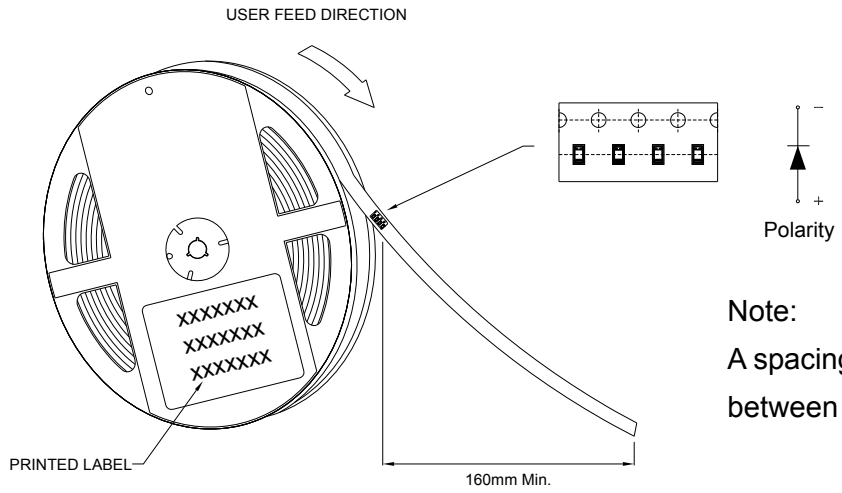
Reel Dimension:

unit : mm



Note:

Available in 8mm carrier tape on 178mm diameter reels. (5,000 pieces)

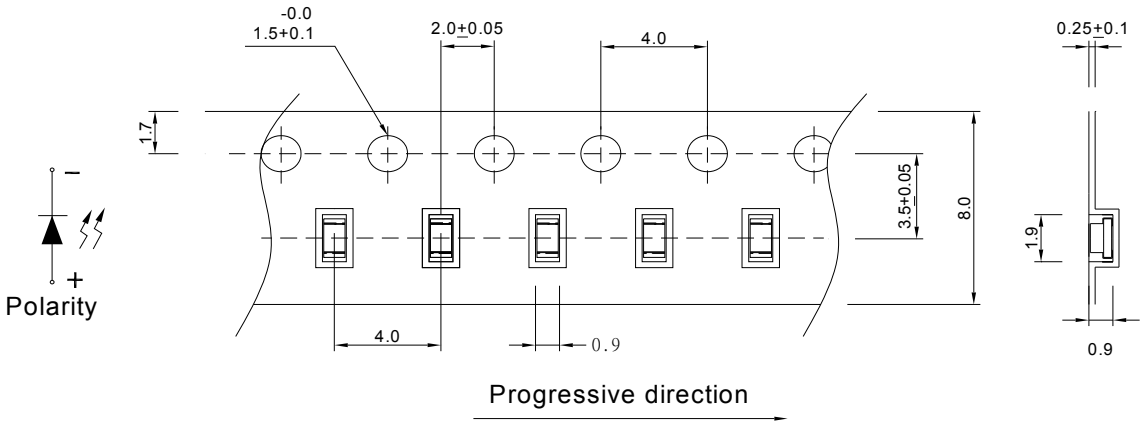


Note:

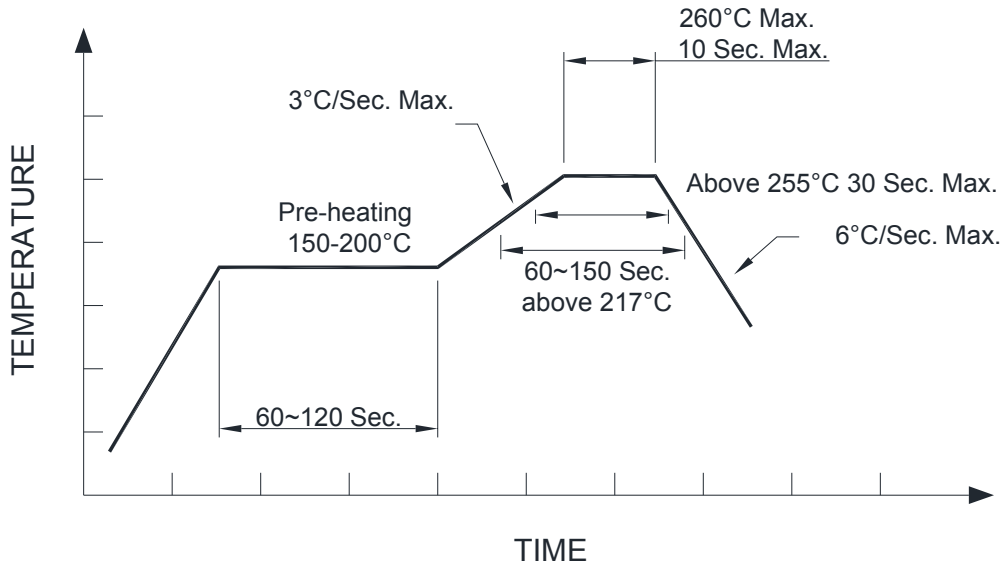
A spacing of approximately 160mm between the front edge of tape

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.