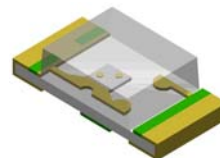


0603 Package SMD LED 0.4mm Height

VS 28C8M

Description

The major breakthrough in VS 28C8M Yellow-orange color emitted is package in dimension L x W x H, 1.6 * 0.8 * 0.4 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 5mA for uniformity. These LEDs are suitable for multiple usages in series connection applications.



Application

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

Electronic Optical Characteristics (at 5mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle (2 θ 1/2)	VF(V)	
		λ_d	λ_p		Min.	Typ.		Min.	Max.
VS 28C8M	Yellow-orange 	605	611	Clear	22.4	45	120	1.7	2.2

Absolute Maximum Ratings (at Ta=25°C)

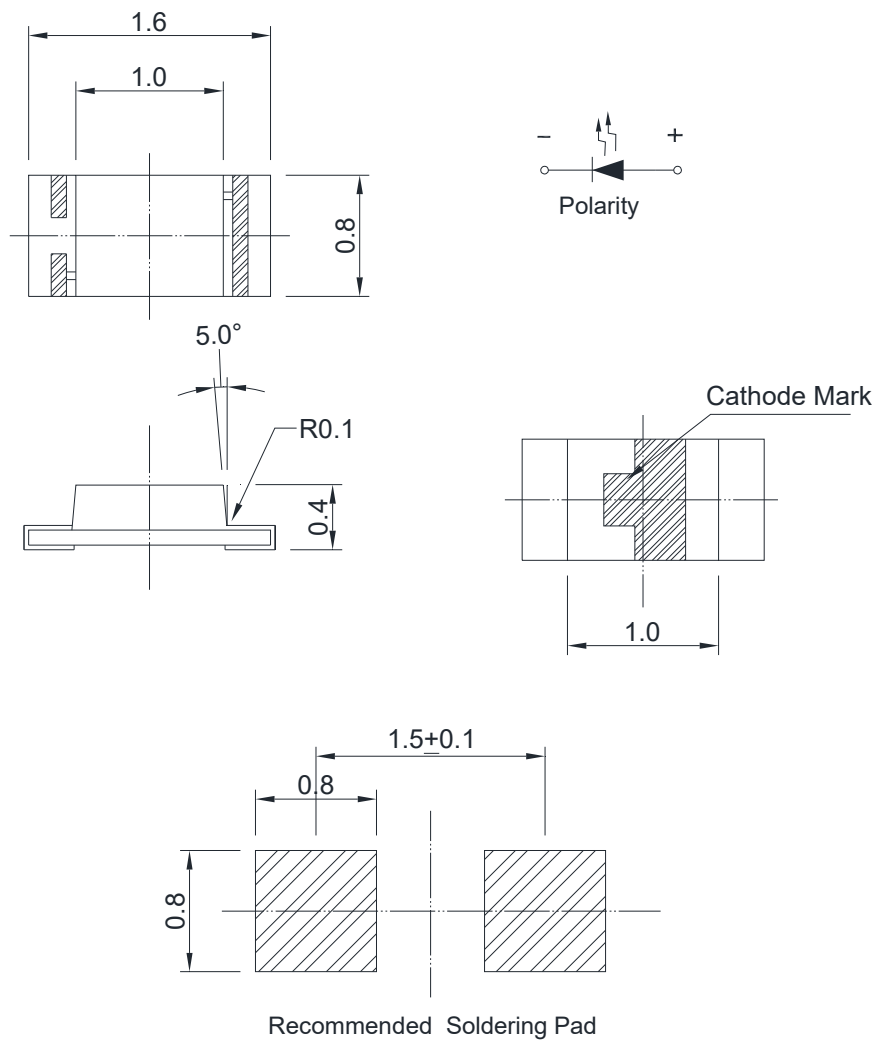
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder (°C)	I _R (μ A)@V _R =5V	Topr(°C)	Tstg(°C)
60	100*	25	350 $\pm$ 5 for 3 sec.	10	-40~+85	-40~+100

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:

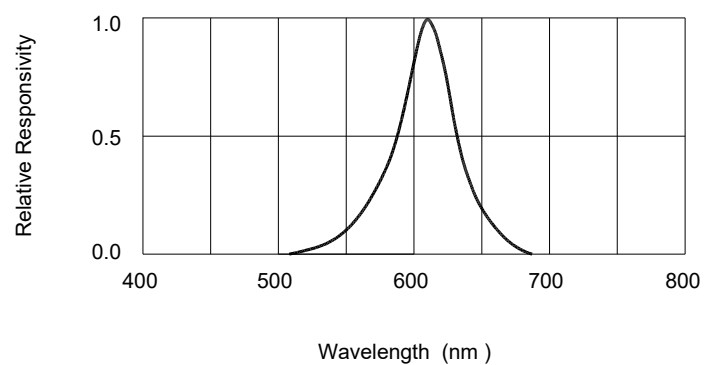
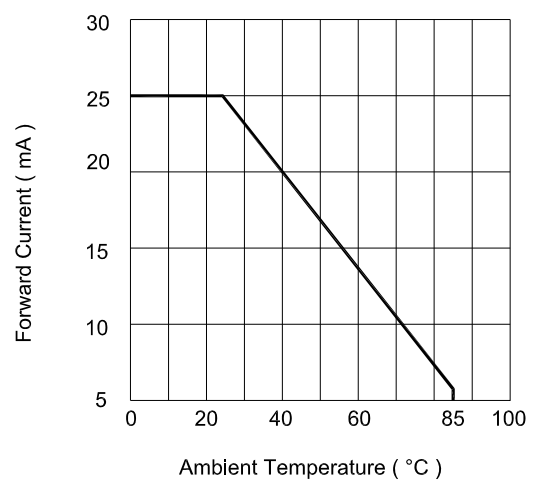
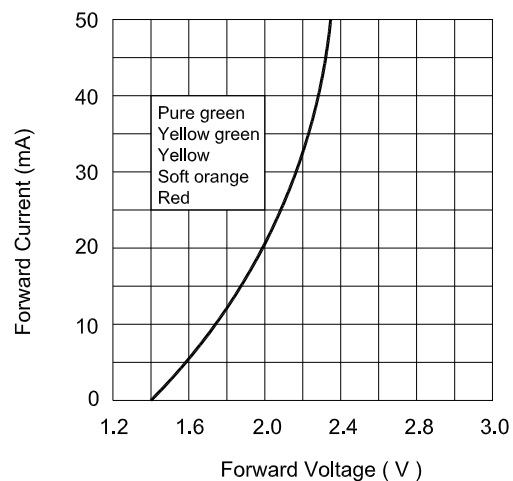
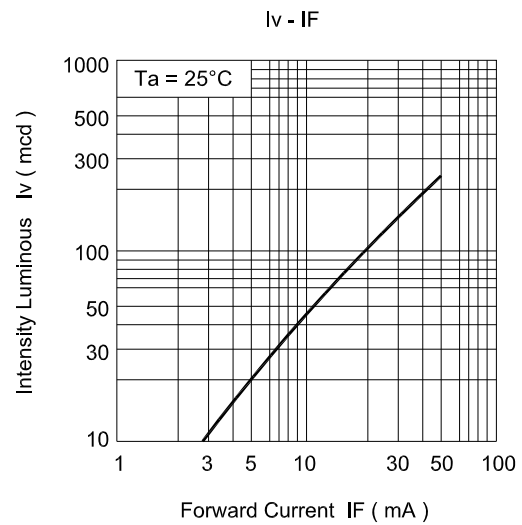
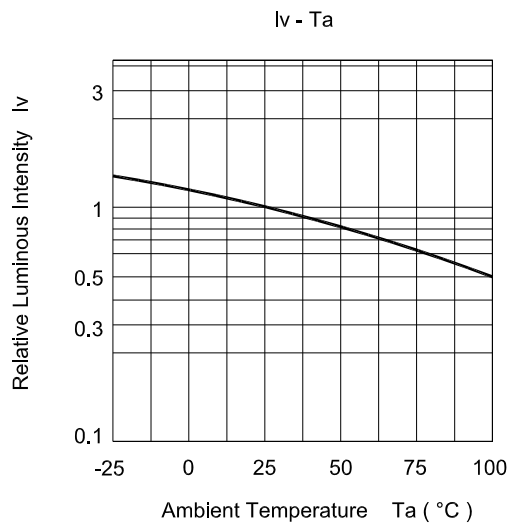
unit : mm



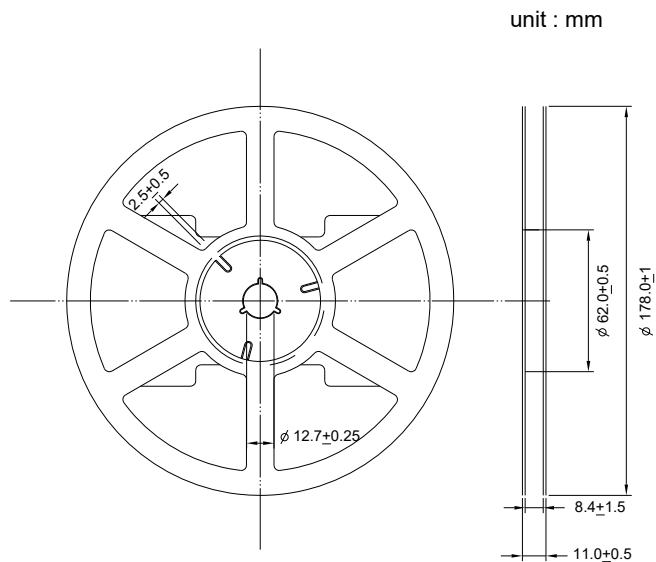
Notes:

1. All dimensions are millimeters.
2. Tolerance is $\pm 0.2\text{mm}$ unless otherwise specified.
3. Specifications are subject to change without notice.

Optical Characteristics Curves



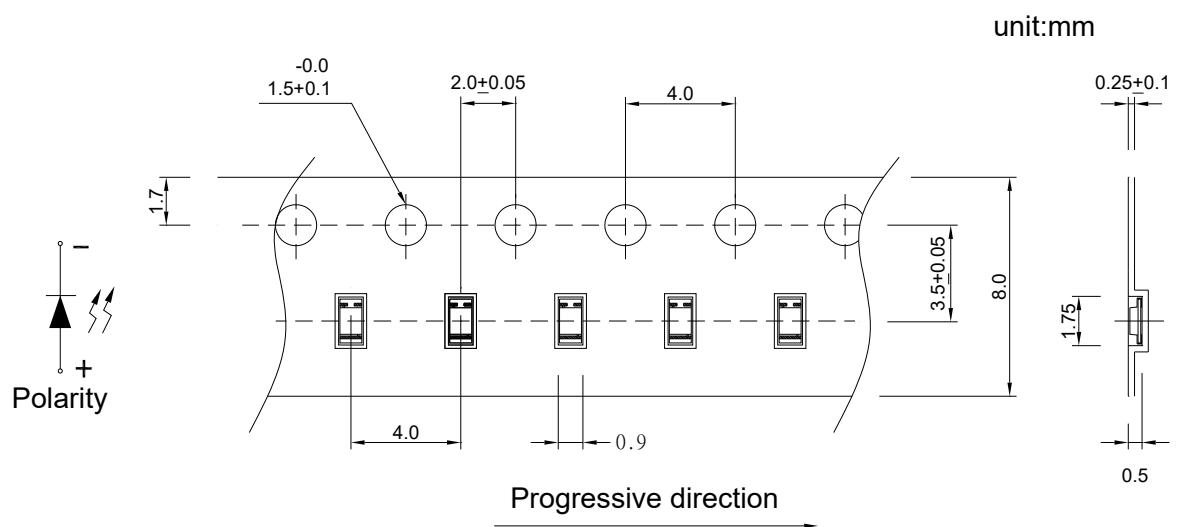
Reel Dimension:



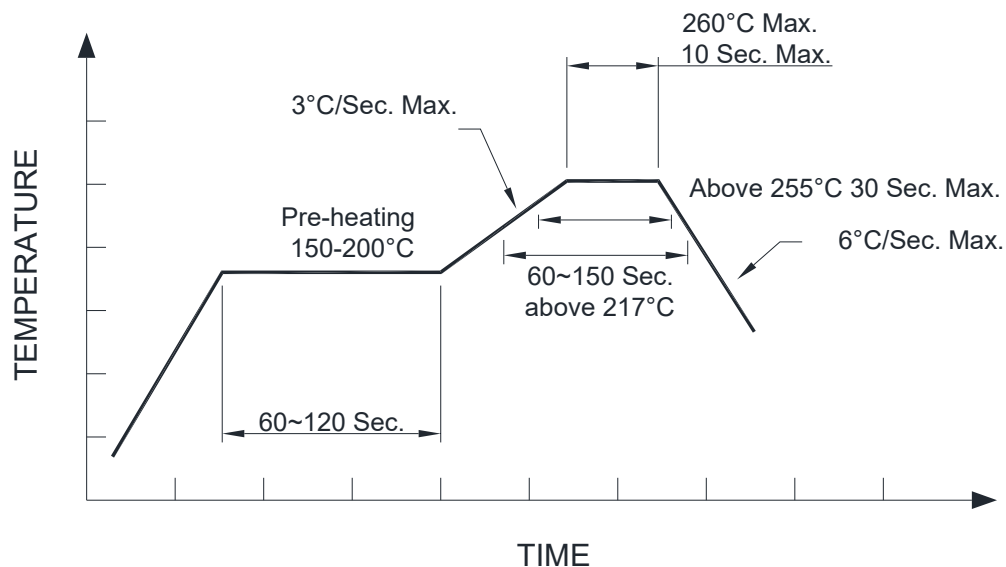
Note:

Available in 8mm carrier tape on 178mm diameter reels. (6,000 pieces)

Tape Dimension:



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.