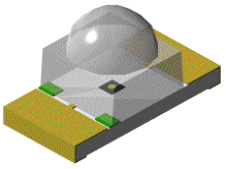
1206 Dome Reverse Package 30 Degree

VS 8848

Description

The major breakthrough in VS 8848 is yellow-orange color emitted, package in dimension L x W x H, 3.2 * 1.6 * 1.8mm. 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 Luminous Intensities of this series are grouped under 20mA for uniformity. These LEDs are suitable for multiple usages in series connection applications.



RoHS

pb-free

Applications

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

Electronic Optical Characteristics (at 20mA):

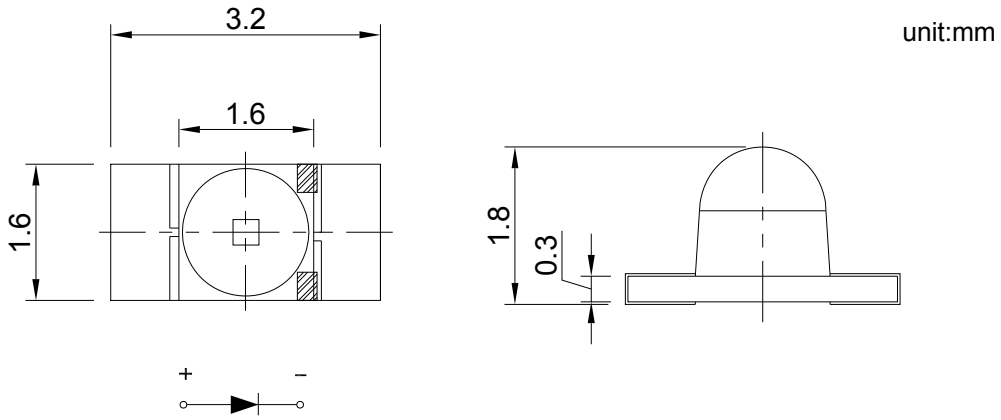
Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle	VF(V)	
		λ d	λ p		Min.	Typ.		Typ.	Max.
VS 8848	Yellow-orange	605	611	Clear	280	575	30	2.0	2.4

Absolute Maximum Ratings (at Ta=25℃)

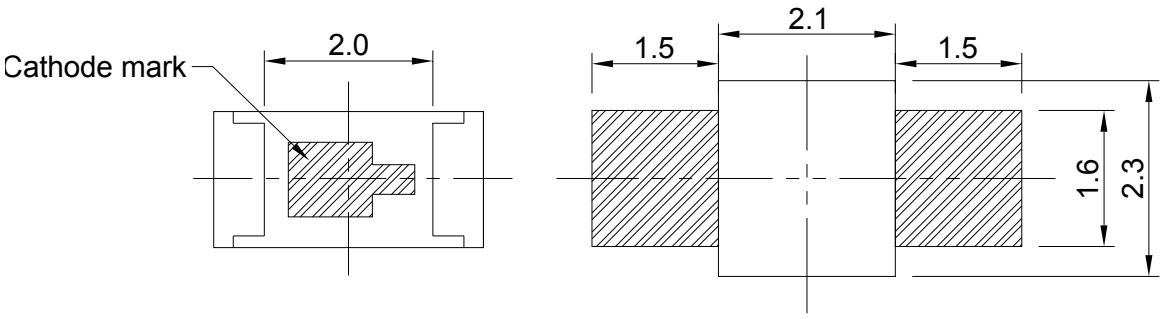
Emitted Color	P_D(mW)	I_F (mA)	ESD(V)	I_R(uA) @VR=5V	Topr (℃)	Tstg (℃)
Yellow orange	60	25	2000	10	-40~+85	-40~+90

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.

Package Dimension:



unit:mm



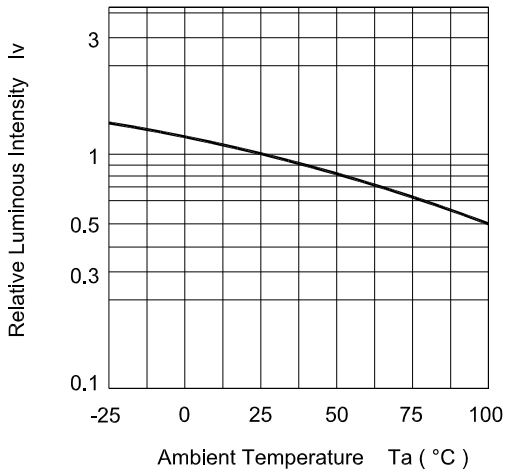
Recommended Soldering Pad

Notes:

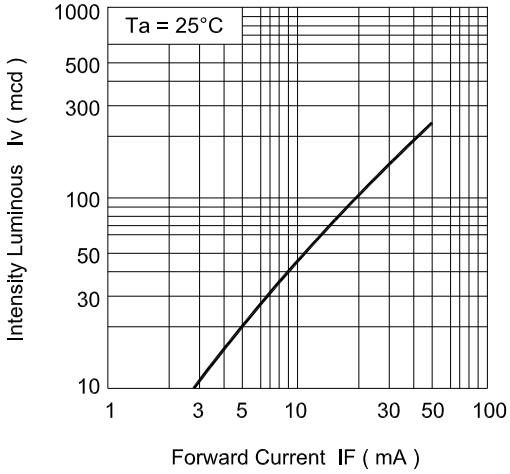
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

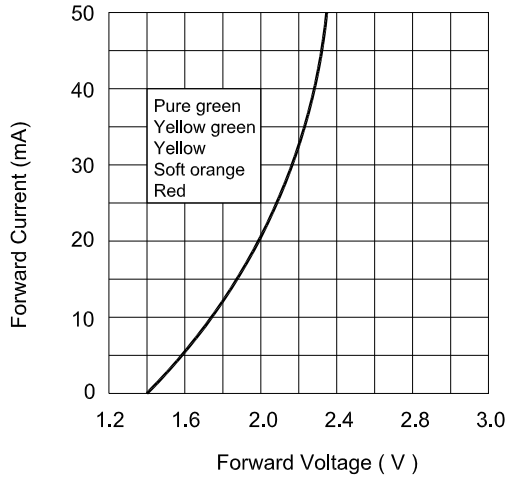
Optical Characteristics Curves

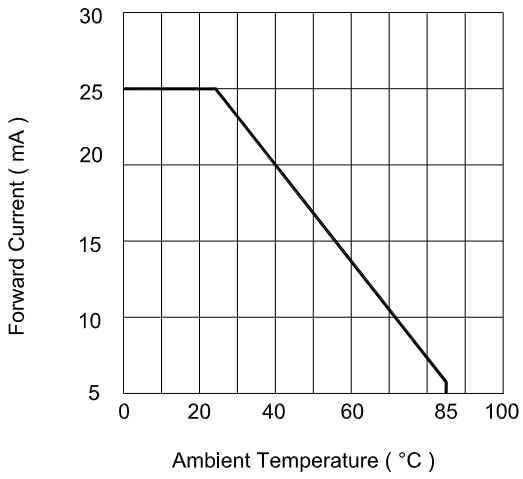
Iv - Ta

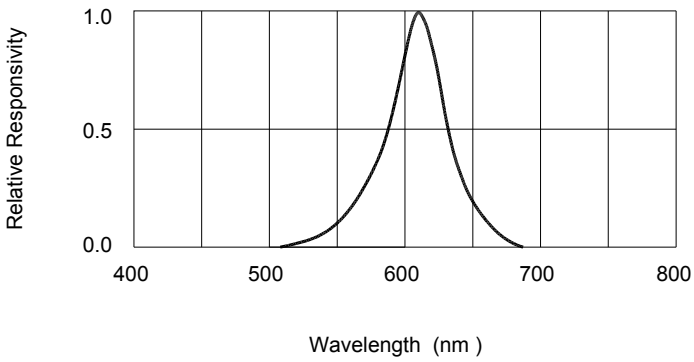


Iv - IF



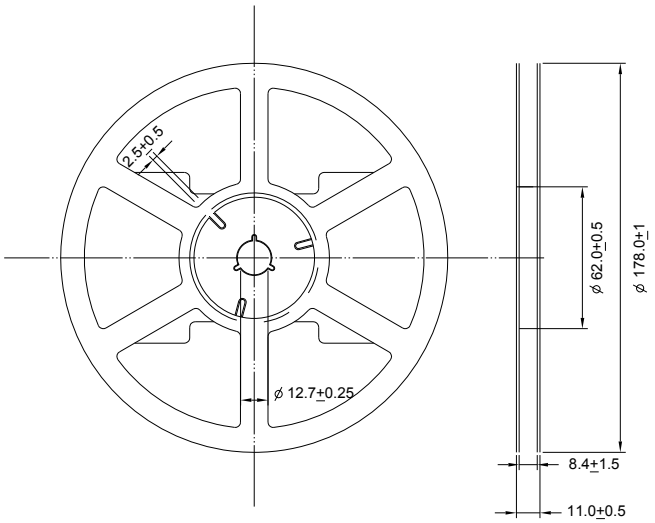






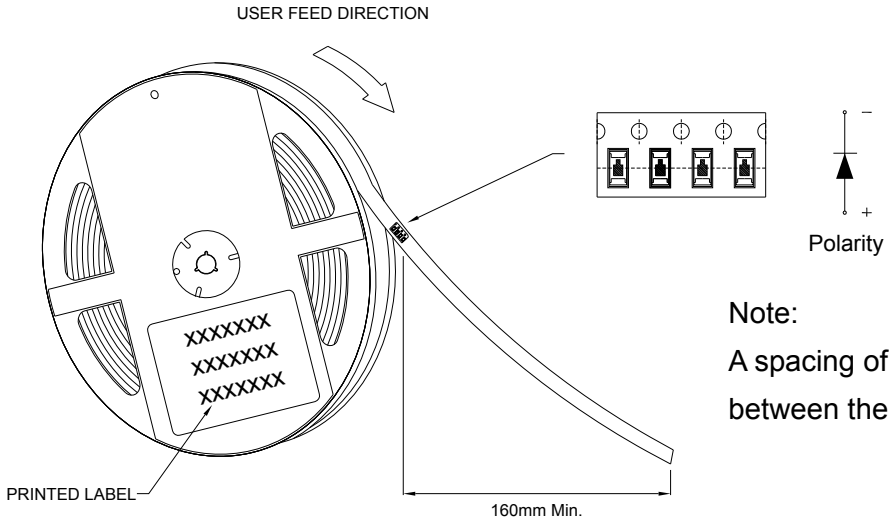
Reel Dimension:

unit : mm



Note:

Available in 8mm carrier tape on 178mm diameter reels. (1500 pieces)

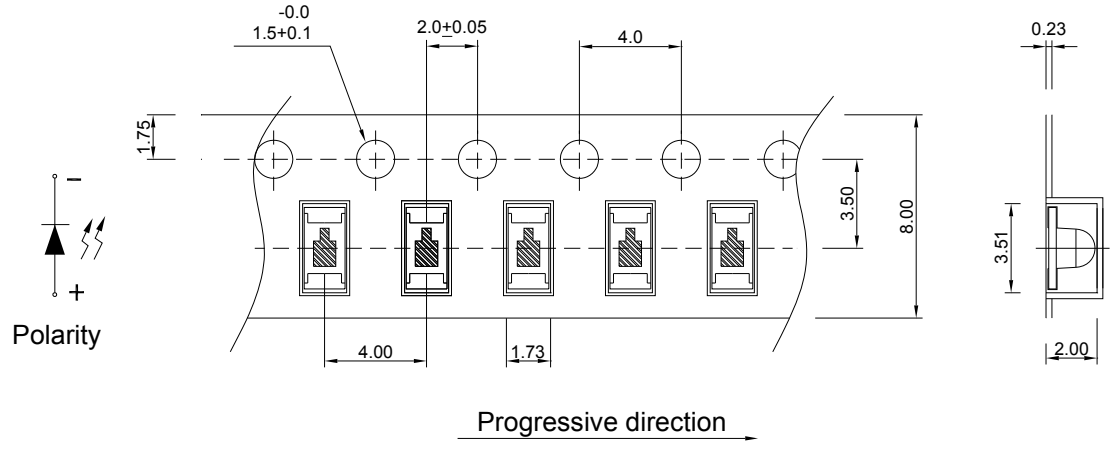


Note:

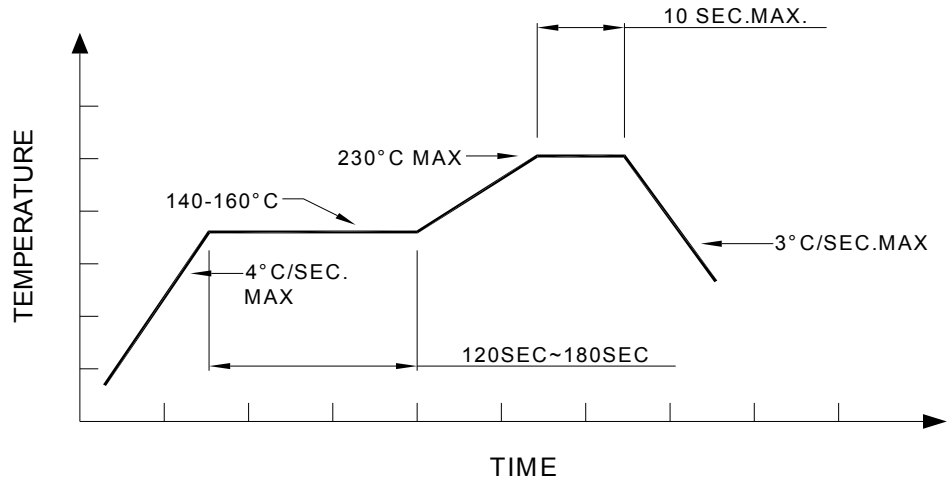
A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

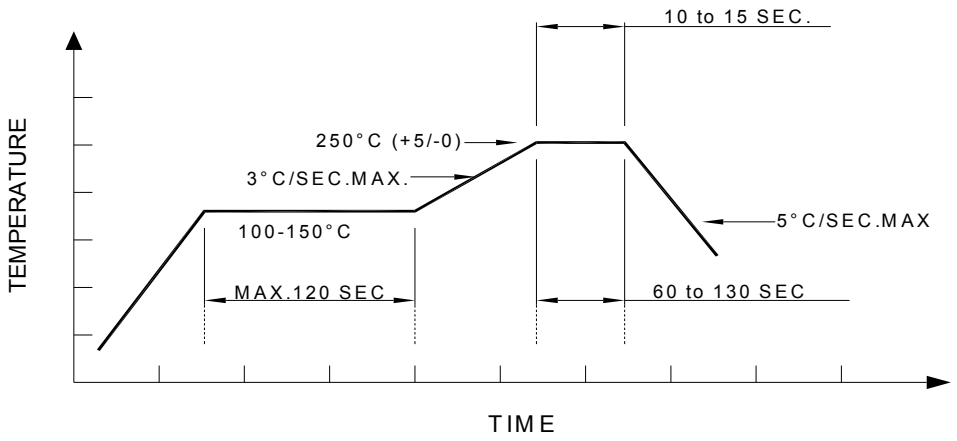
unit:mm



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.