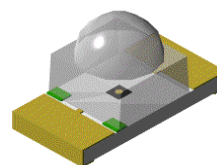


1206 Dome Reverse Package 30 Degree

VS 8648

Description

The major breakthrough in VS 8648 is yellow color emitted, package in dimension L x W x H, 3.2 * 1.6 * 1.9mm. 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 LEDs are suitable for multiple usages in series connection applications.



RoHS



Applications

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

Electronic Optical Characteristics (at 20mA):

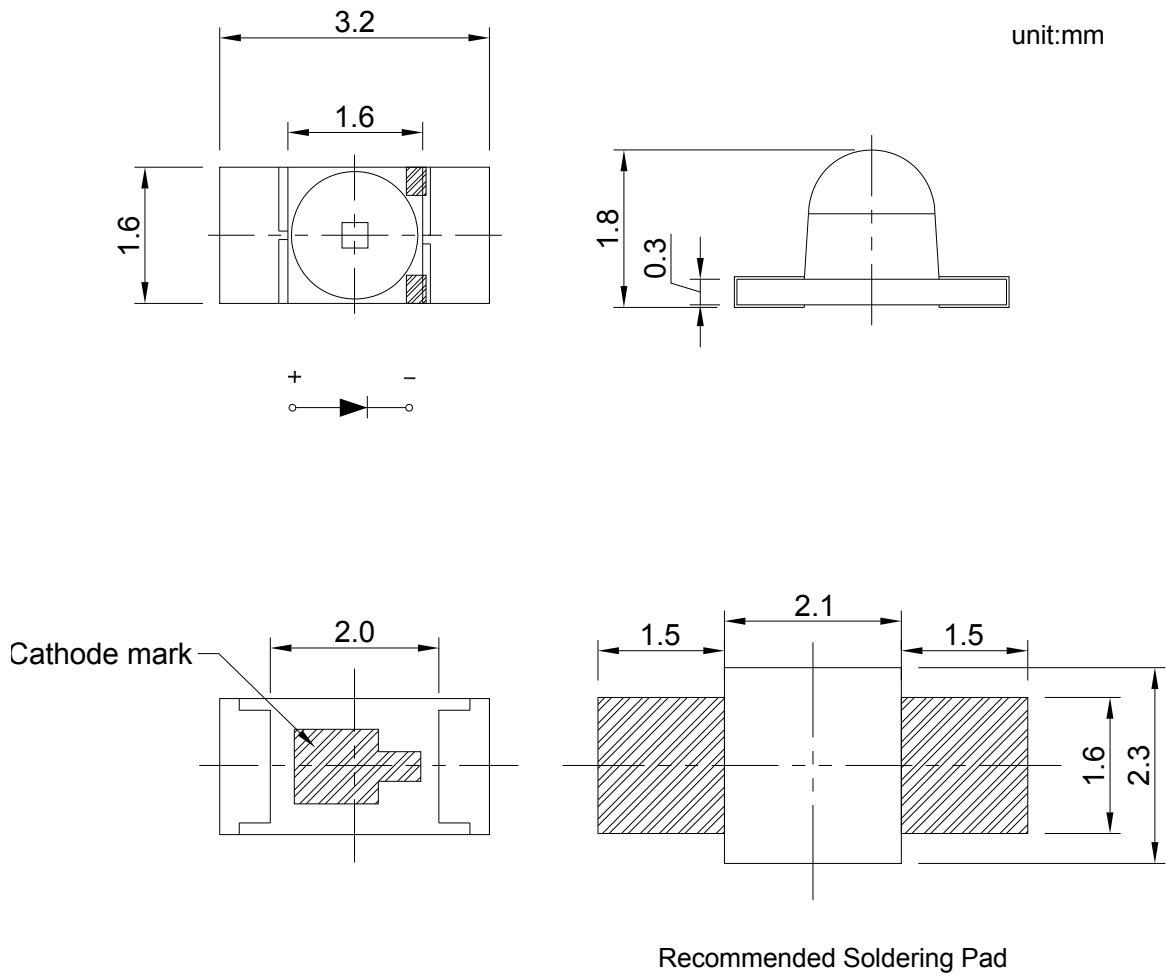
Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle	VF(V)	
		λ_d	λ_p		Min.	Typ.		Typ.	Max.
VS 8648	Yellow 	589	591	Clear	224	405	30	2.0	2.4

Absolute Maximum Ratings (at Ta=25°C)

Emitted Color	P _D (mW)	I _F (mA)	ESD(V)	I _R (uA) @VR=5V	Topr (°C)	Tstg (°C)
Yellow (589nm)	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.

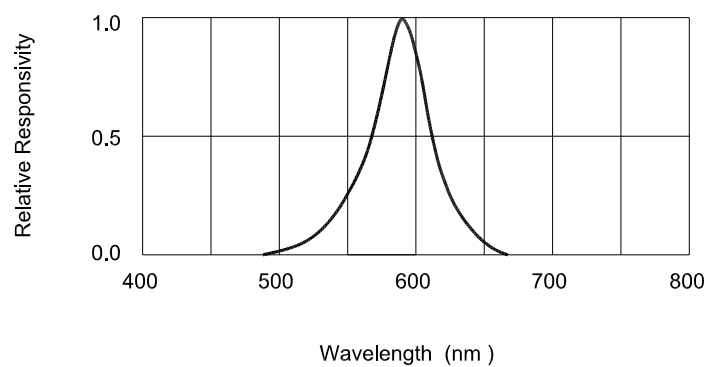
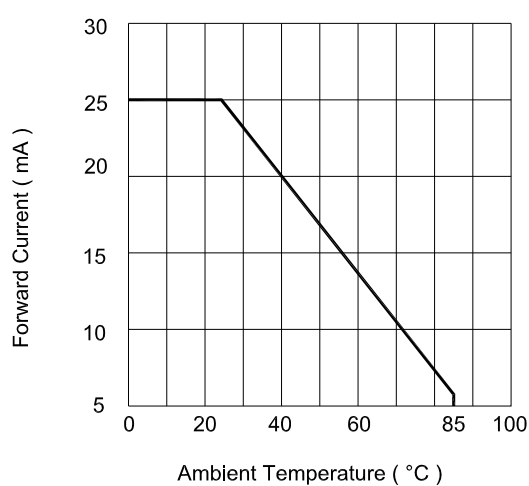
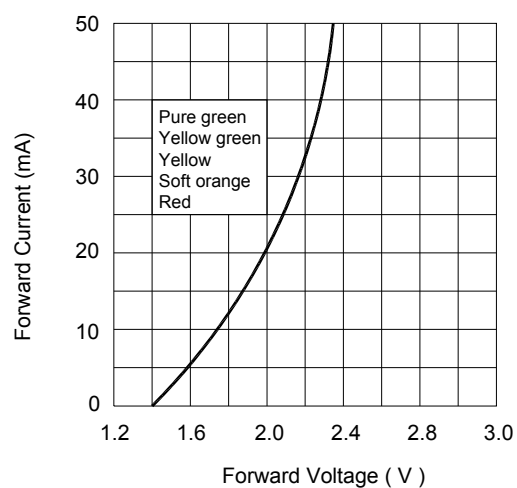
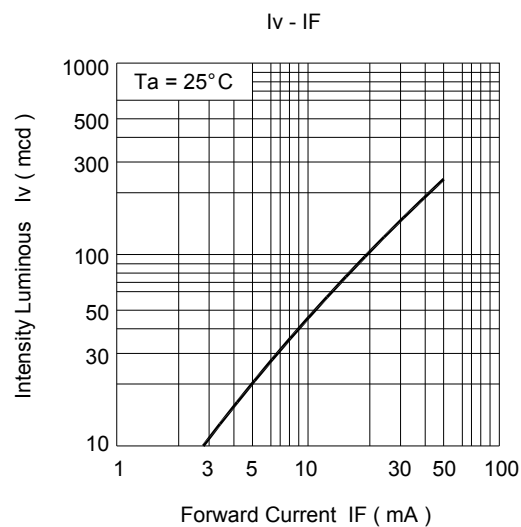
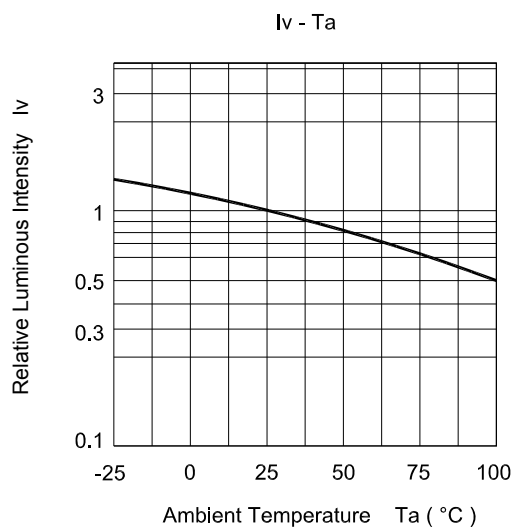
Package Dimension:



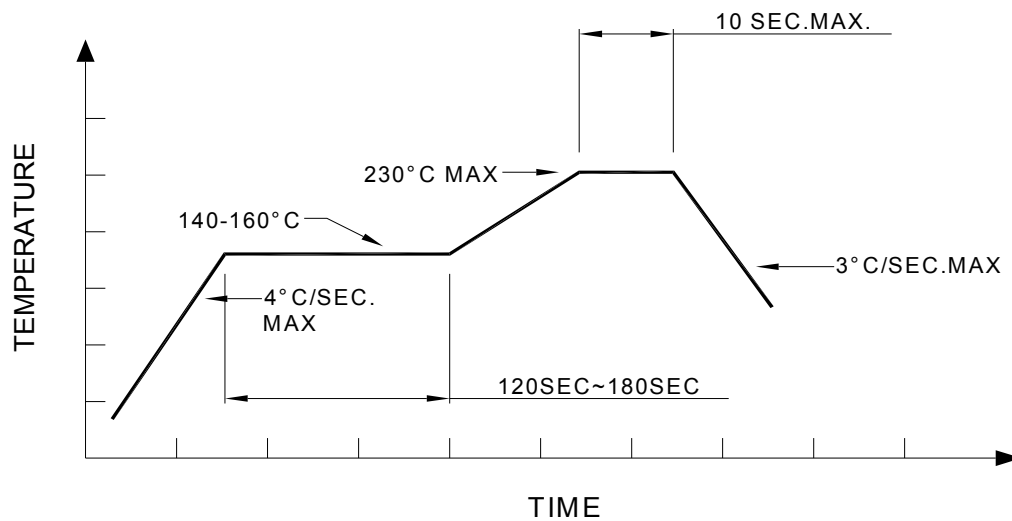
Notes:

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

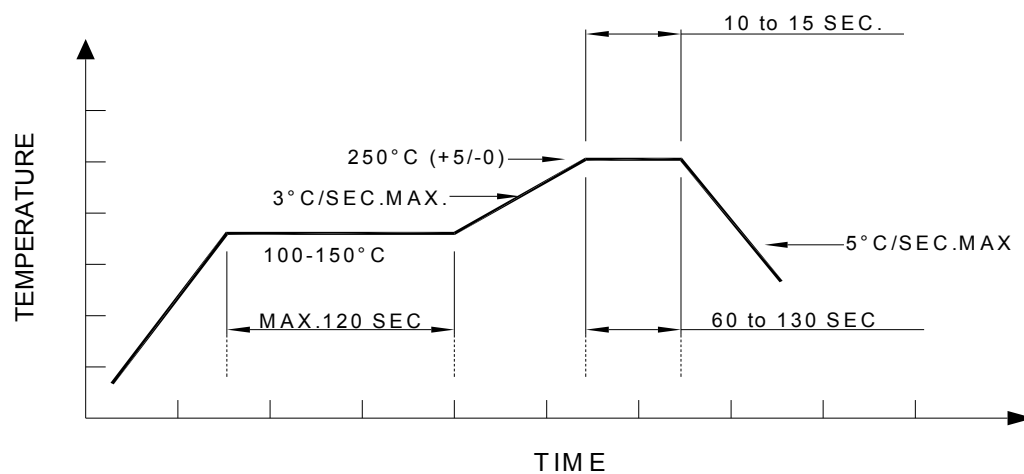
Optical Characteristics Curves



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.