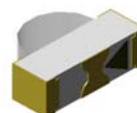


Side View SMD LED 1.0mm Height

VS 7WD8

Description

The major breakthrough in VS 7WD8 series is White color emitted package in 3.0 * 2.0 * 1.0mm dimension side look SMD LED. This series of side emitting devices are operating under low current driving condition suitable for backlighting applications or applications call for light emitting from unique angle. The luminous Intensities of this series are grouped under 20mA for uniformity. These LED are suitable for multiple usages in series connection applications.



Applications

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

RoHS



Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	C.C		Lens Color	Iv(mcd)		View Angle	VF(V)	
		X	Y		Min.	Typ.		Typ.	Max
VS 7WD8	White	0.29	0.30	Yellow	180	225	120	3.5	3.8

Absolute Maximum Ratings (at Ta=25°C)

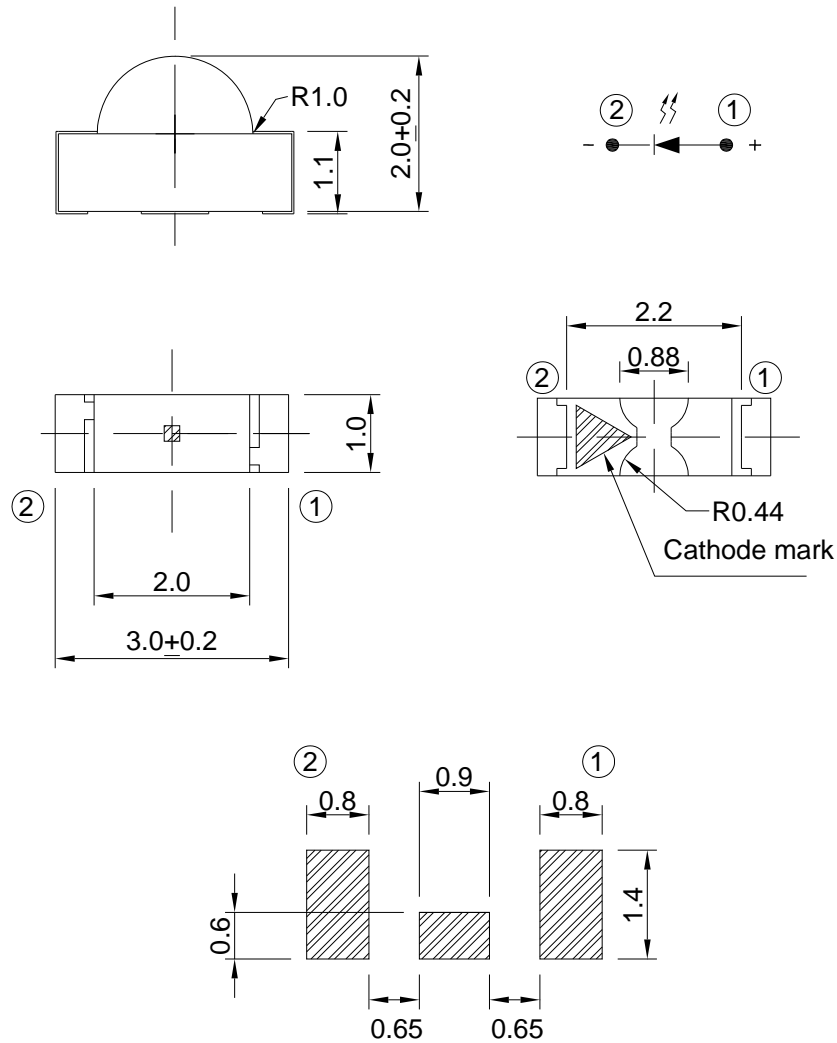
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder (°C)	I _R (uA) @ V _R =5V	Topr (°C)	Tstg (°C)
110	100*	25	350 ± 5 for 3 sec.	50	-40~+85	-40~+100

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

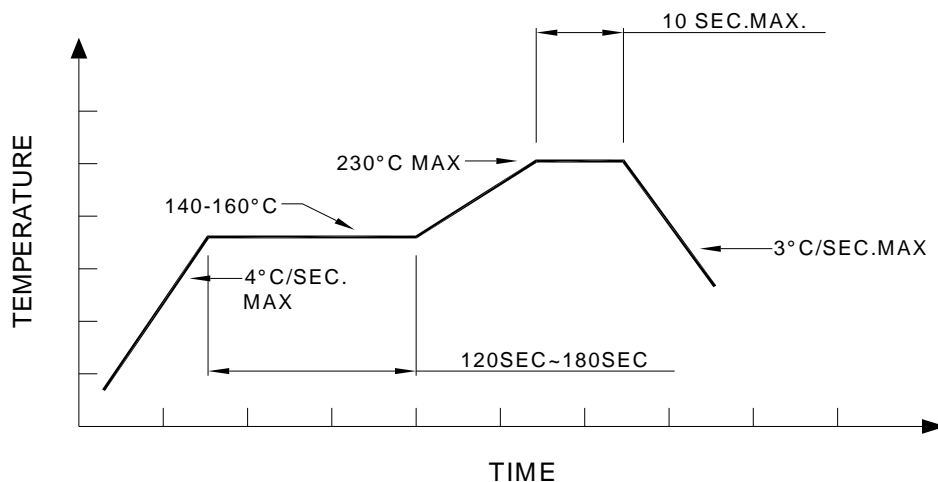


Recommended Soldering Pad

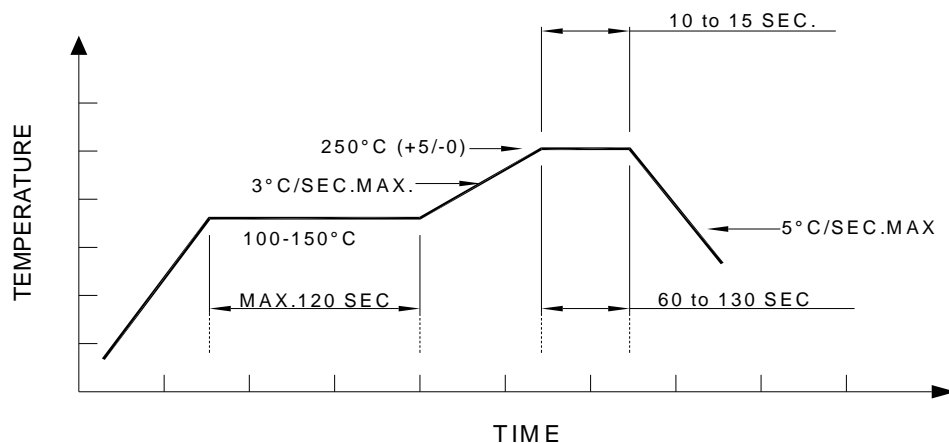
Notes:

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

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.