

Side View SMD LED 0.6mm Height

VS 7WG9

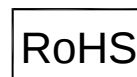
Description

The major breakthrough in VS 7WG9 is White color emitted package in 2.1 * 1.0 * 0.6mm 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 intensities of this series are grouped under 5 mA for uniformity.



Applications

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



Electronic Optical Characteristics (at 5mA):

Part Number	Emitted Color	C.C		Lens Color	Iv(mcd)		View Angle	VF(V)	
		X	Y		Min.	Typ.		Typ.	Max.
VS 7WG9	White	0.30	0.29	Yellow Diff.	28	55	140	2.8	3.2

Absolute Maximum Ratings (at Ta=25°C)

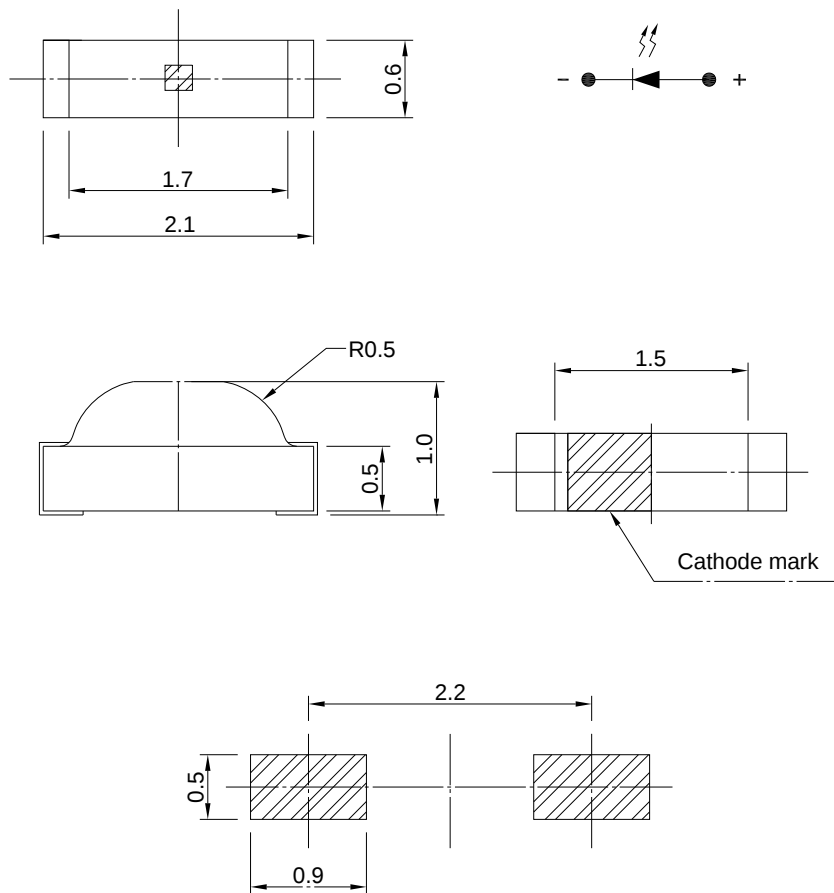
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder (°C)	I _R (uA)@V _R =5V	Topr(°C)	Tstg(°C)
95	100*	25	350 ± 5 for 3 sec.	50	-40~+85	-40~+100

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

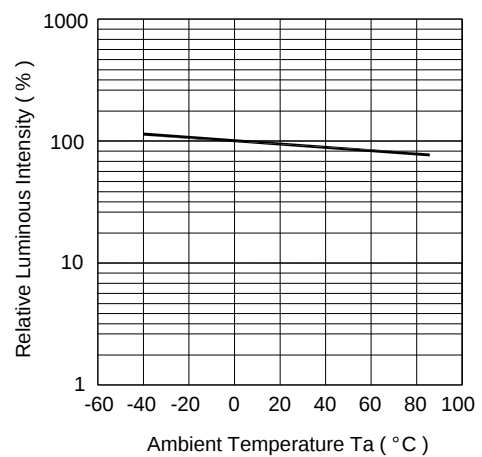
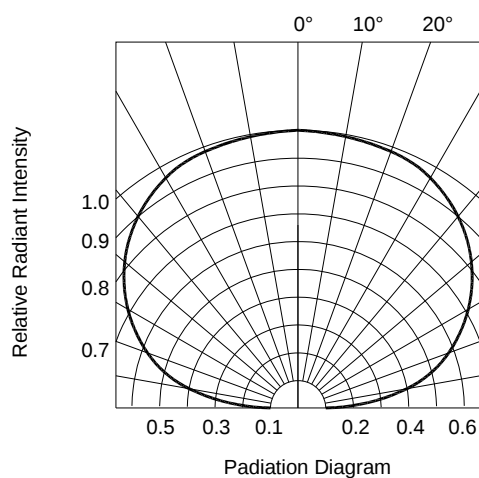
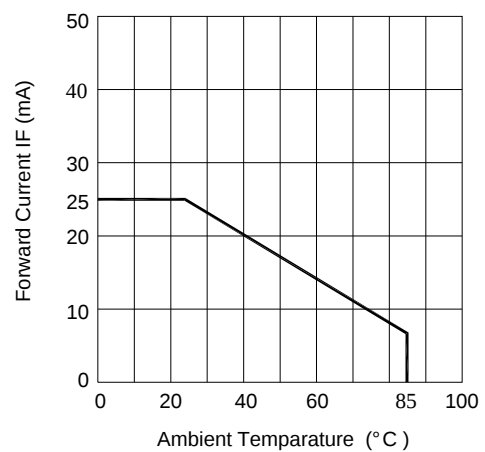
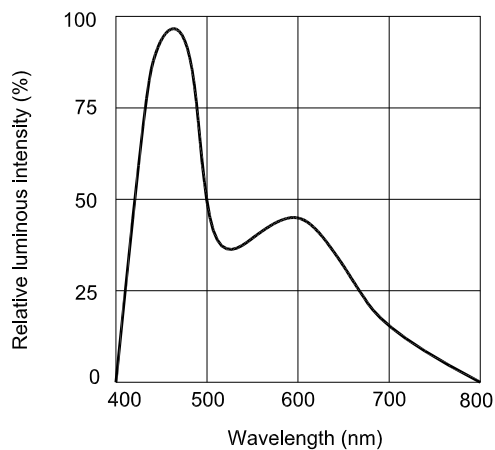
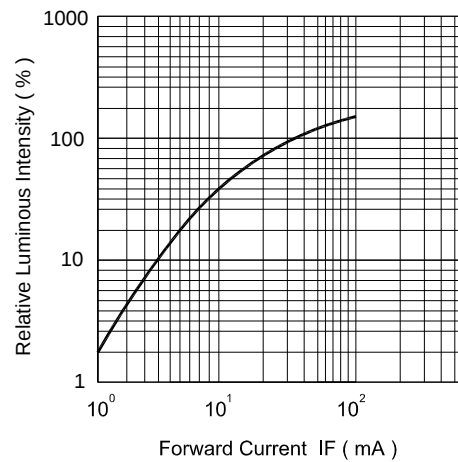
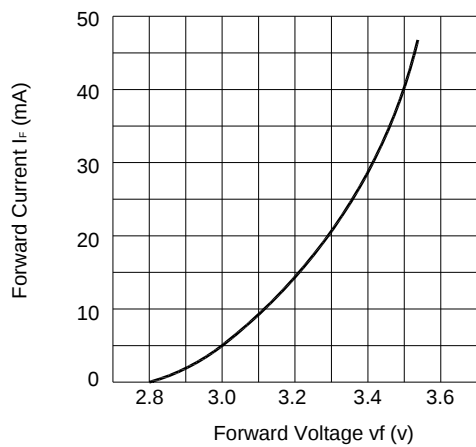


Recommended Soldering Pad

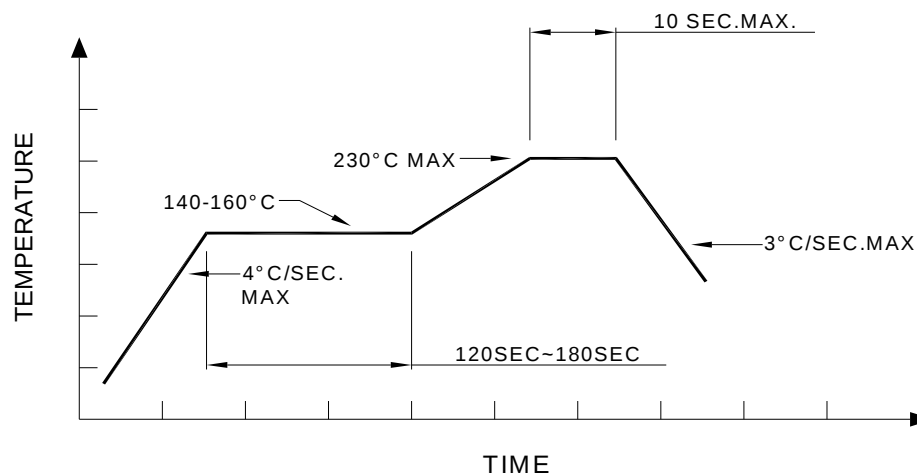
Notes:

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

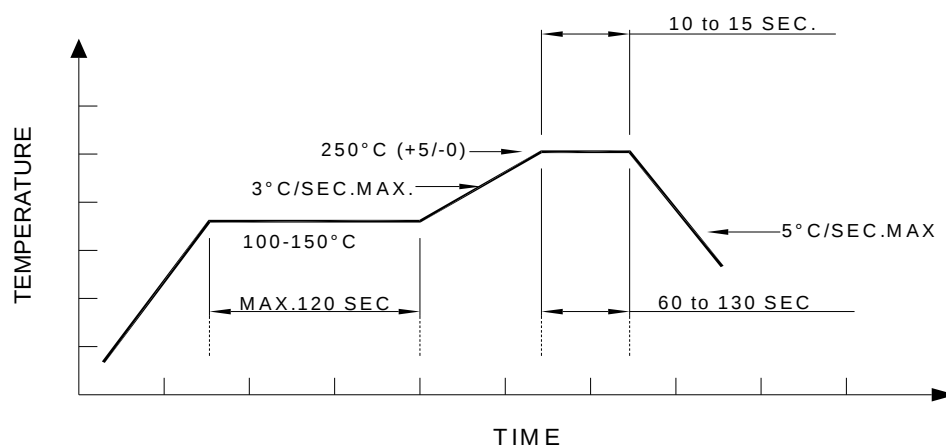
Typical Electro-optical Characteristics Curves



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.