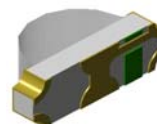


3.0x1.5mm Side View Bi-Color SMD LED

VS 7SA8

Description

This is Bi-Color side view common anode connection SMD LED with dimension 3.0 mm (L) * 1.5 mm (W) * 1.0 mm (H). The unique of these LED are made from AlGaInP & InGaN chips that provide high luminous intensity at low driving current. The lens design provides 100 degree viewing angle and suitable for backlighting purpose. The available colors are Red/True-green, Yellow/True-green or even Red/blue. Any color combinations specified by customers can be accepted.





Applications

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



Electronic Optical Characteristics (at 20mA):

Part Number	Color		λ (nm)		Iv(mcd)		VF(Volt)		View Angle	Lens
			λ d	λ p	Min	Typ.	Min.	Typ.		
VS 7SA8	Yellow		589	591	112	150	2.0	2.4	100	Clear
	True-green		525	518	180	230	3.2	3.5		

Absolute Maximum Ratings (at Ta=25°C)

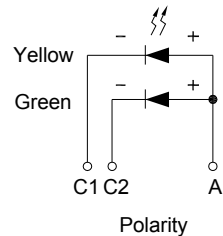
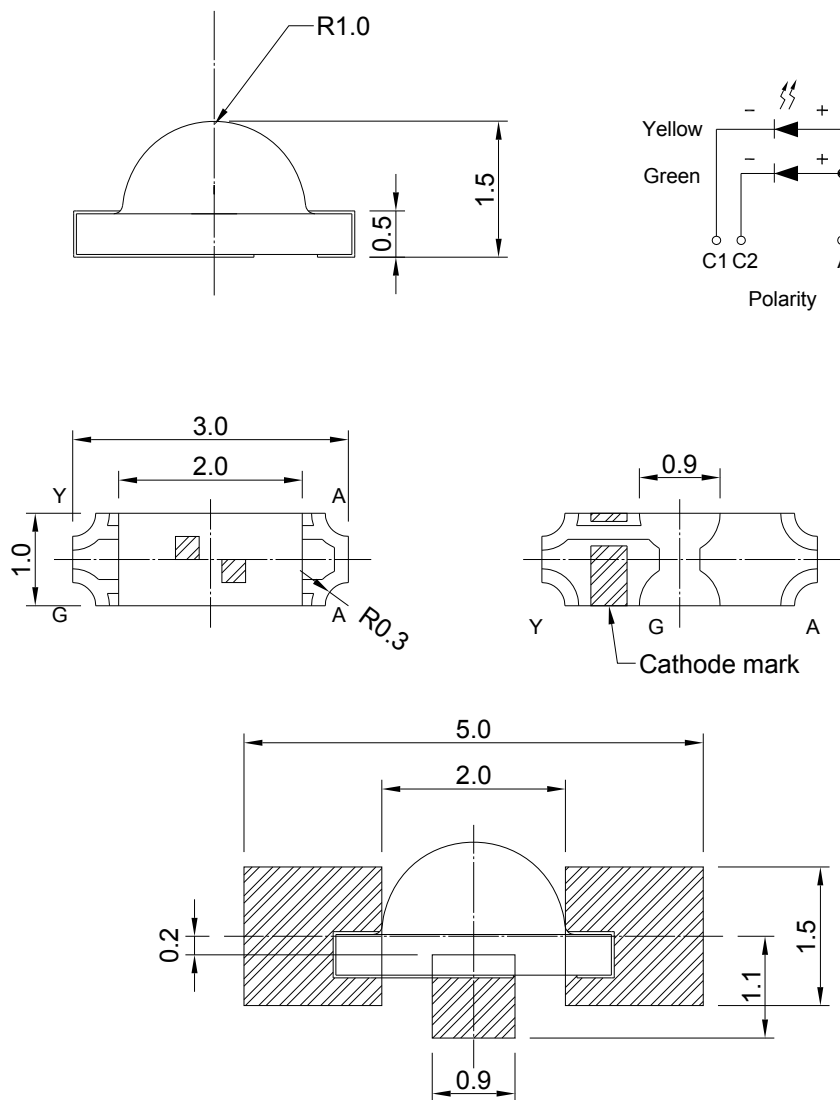
Emitted Color	P _D (mW)	I _F (mA)	I _{FP} (mA)	I _R (uA) @VR=5V	Topr(°C)	Tstg(°C)
Yellow	60	25	60 *	10	-40~+85	-40~+90
True-green	60	25	100 *	50	-40~+85	-40~+90

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.

* I_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:

unit:mm

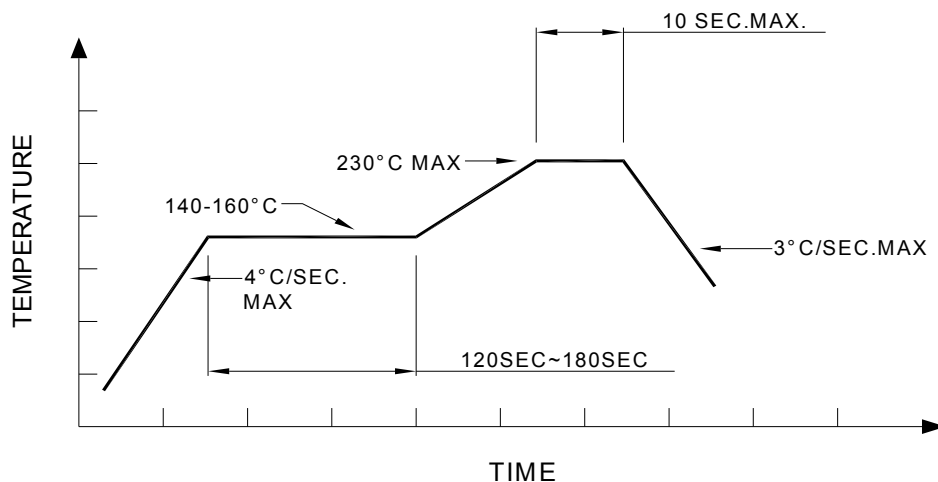


Recommended Soldering Pad

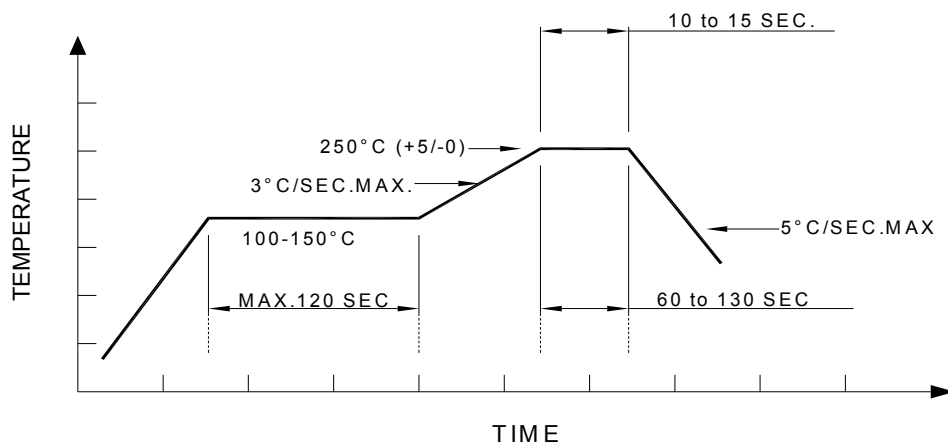
Notes:

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

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.