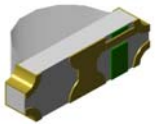
3.0x1.5mm Side View Bi-Color SMD LED

VS 7QA8

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.



RoHS

Pb pb-free

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 7QA8	True-green	525	518	140	235	3.5	3.8	100	Clear
	Red	624	632	71	120	2.0	2.4		

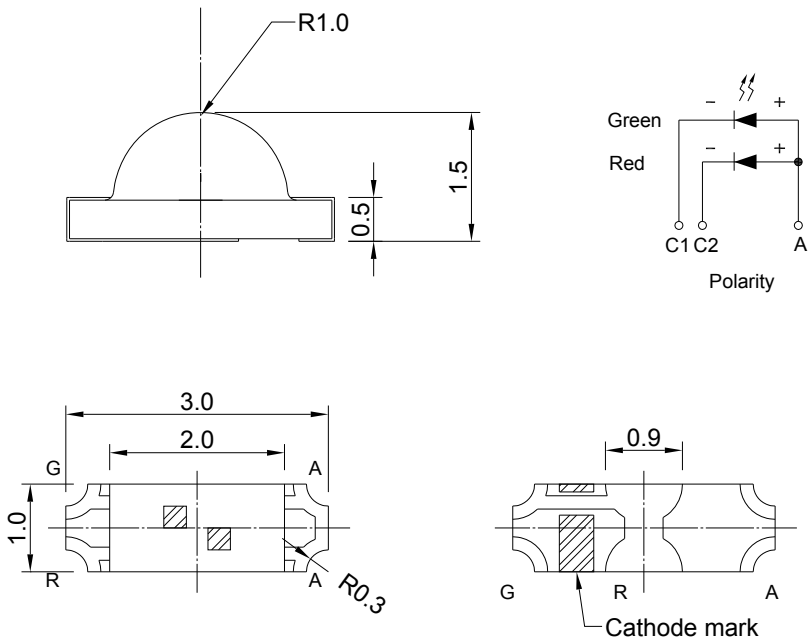
Absolute Maximum Ratings(at Ta=25℃)

Emitted Color	P_D(mW)	IF(mA)	IFP(mA)	IR(uA)@VR=5V	Topr(℃)	Tstg(℃)
True-green	110	25	60 *	50	-40~+85	-40~+90
Red	60	25	60 *	10	-40~+80	-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



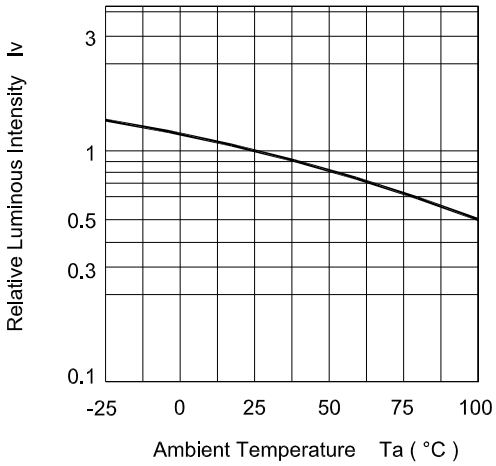
Recommended Soldering Pad

Notes:

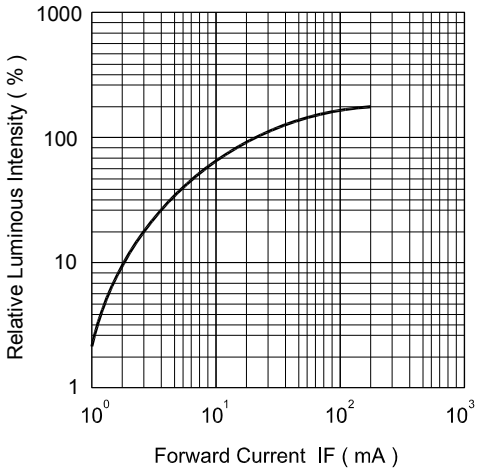
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

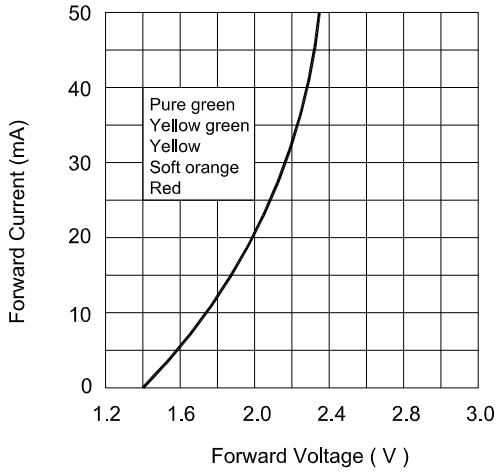
Optical Characteristics Curves

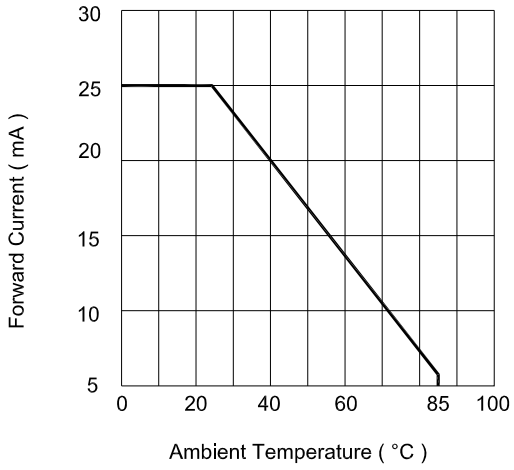
Iv - Ta

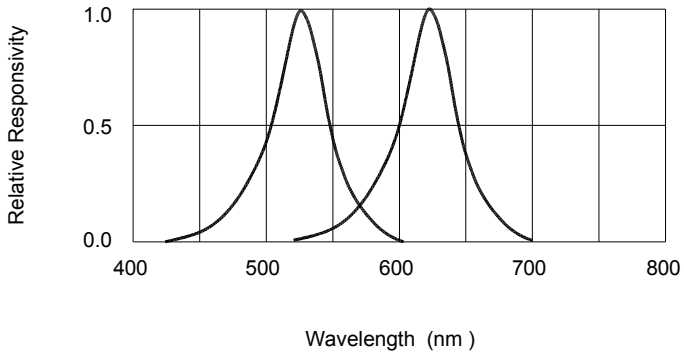


Iv - IF



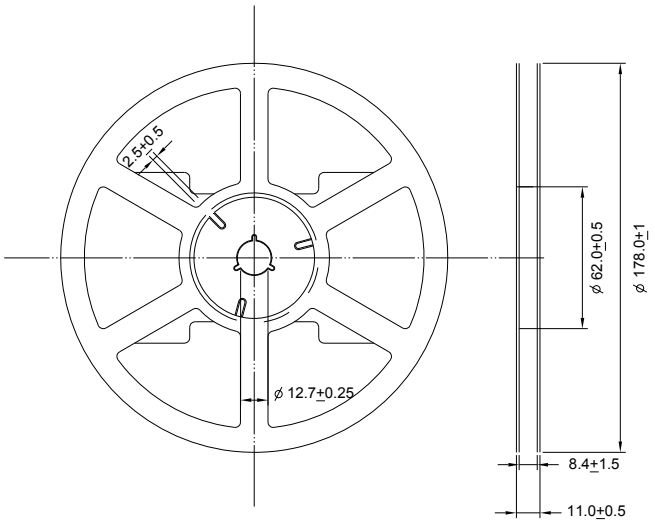






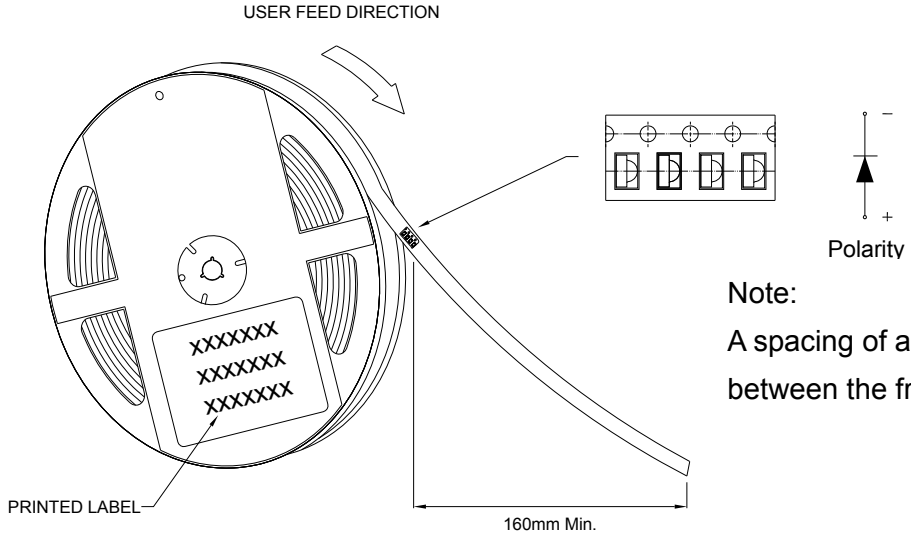
Reel Dimension:

unit : mm



Note:

Available in 8mm carrier tape on 178mm diameter reels. (2000 pieces)

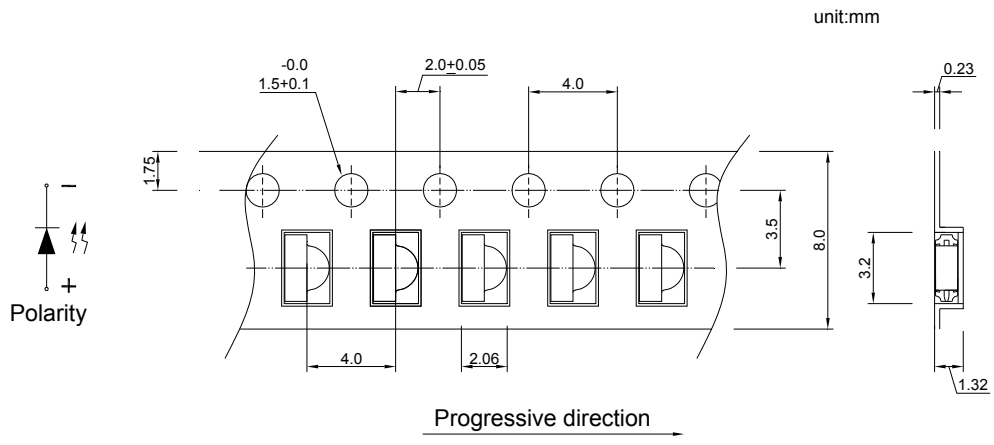


Note:

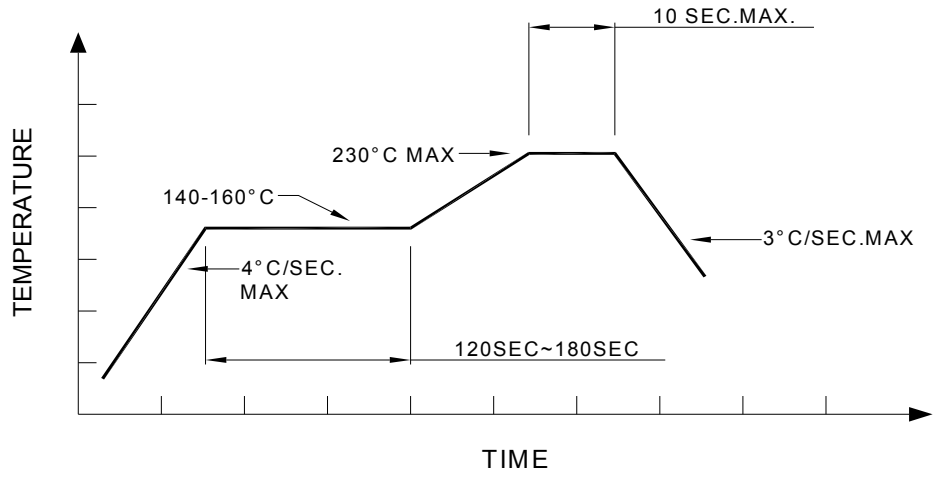
A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

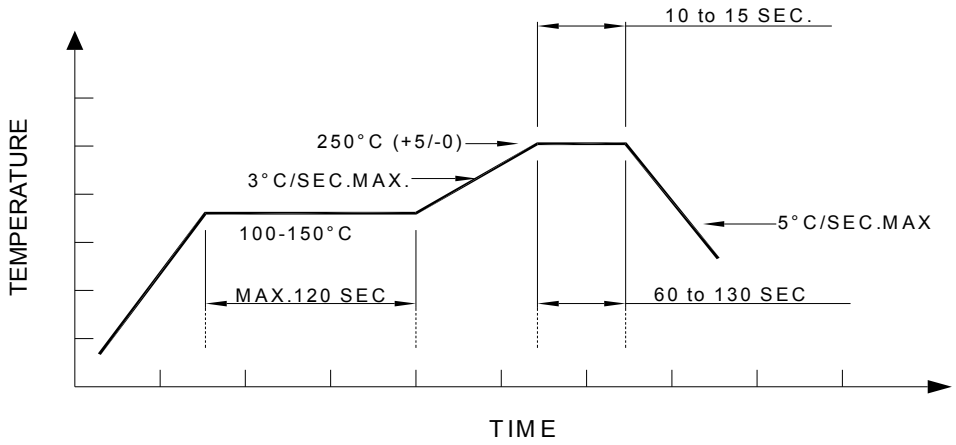
unit:mm



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.