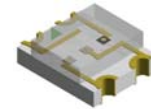


3.2x2.6x1.1mm SMD RGB LED

VS URD8

Description

This is Full Color Top View SMD LED with dimension 3.2mm (L) * 2.6 mm (W) * 1.1 mm (H), common anode configuration. The unique of these LED are made from AlGaInP chips and InGaN technology that provide high luminous intensity at low driving current. The lens design provides 120 degree viewing angle and suitable for lighting indicator purpose.






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 (2 θ 1/2)	VF(V)	
		λ_d	λ_p		Min.	Typ.		Typ.	Max.
VS URD8	Red 	624	632	Clear	45	80	120	2.0	2.4
	Green 	525	518		90	135		3.3	3.8
	Blue 	470	468		36	60		3.3	3.8

Absolute Maximum Ratings(at Ta=25°C)

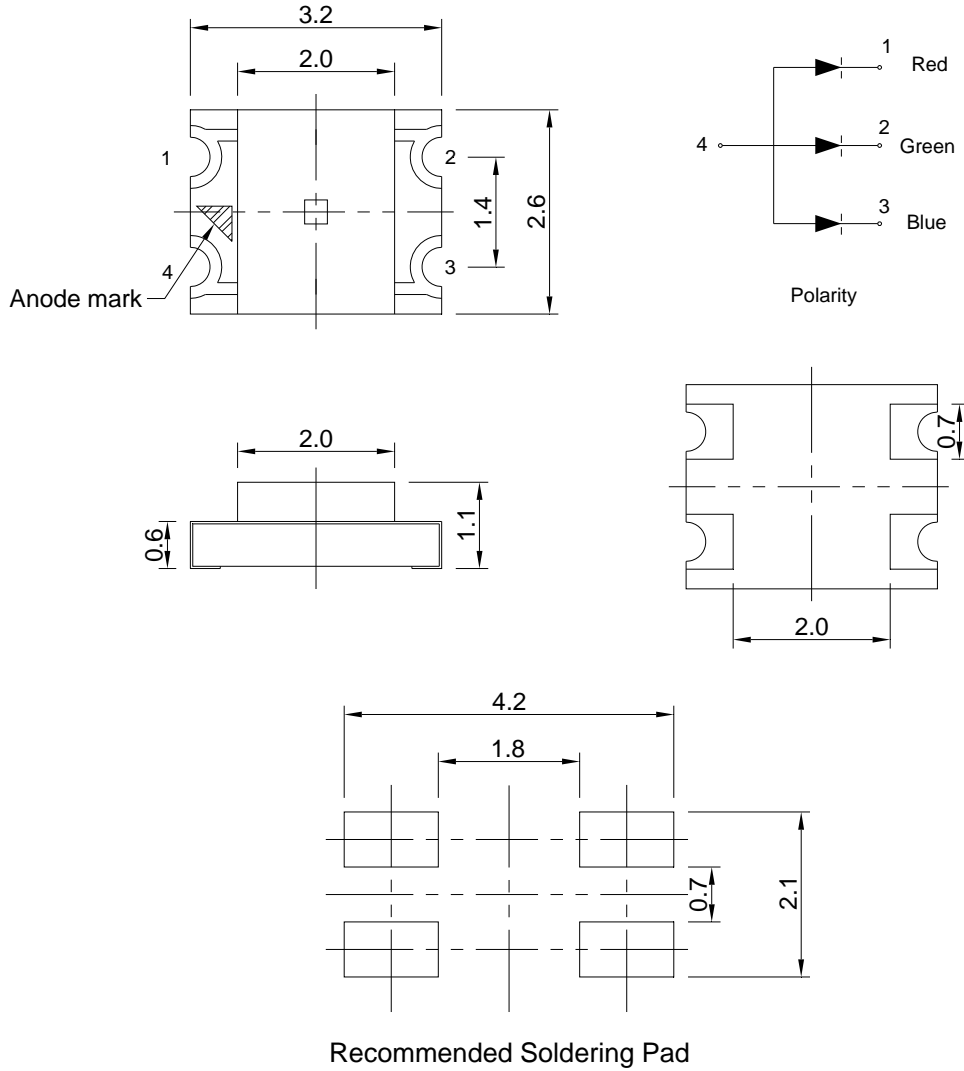
Emitted Color	P _D (mW)	I _F (mA)	I _{FP} (mA)	I _R (μ A)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
Red	60	25	60*	10	-40~+85	-40~+100
Green	60	25	100*	50	-40~+85	-40~+100
Blue	110	25	100*	50	-40~+85	-40~+100

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:

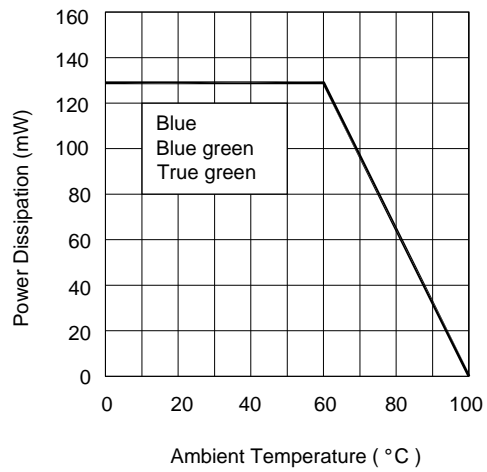
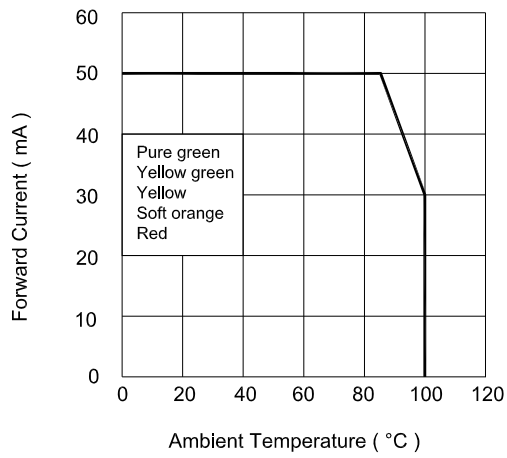
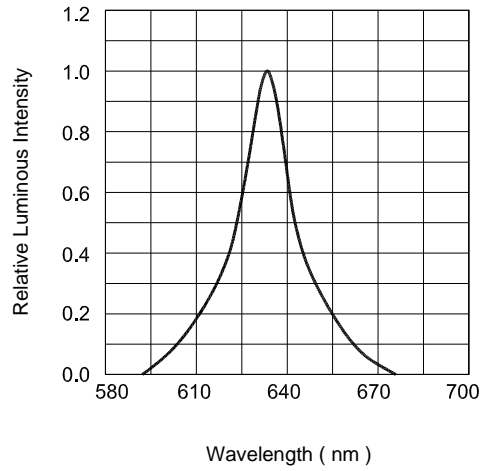
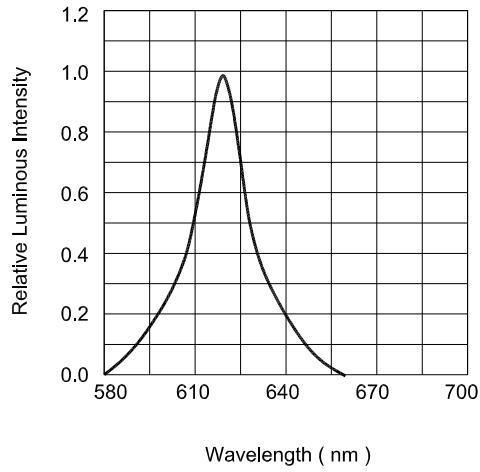
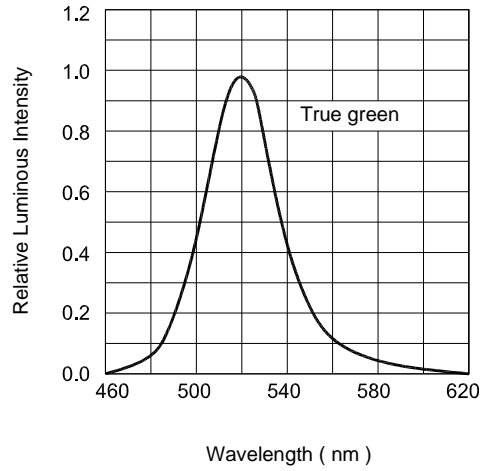
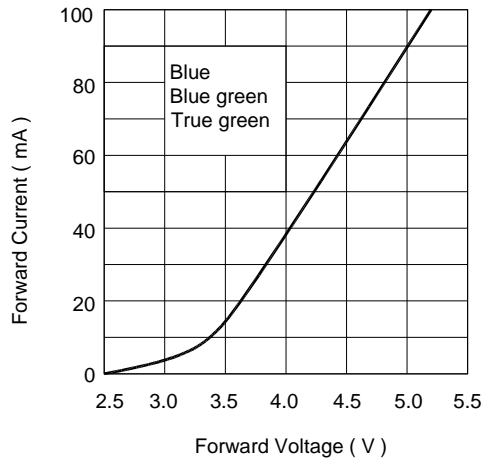
unit:mm



Notes:

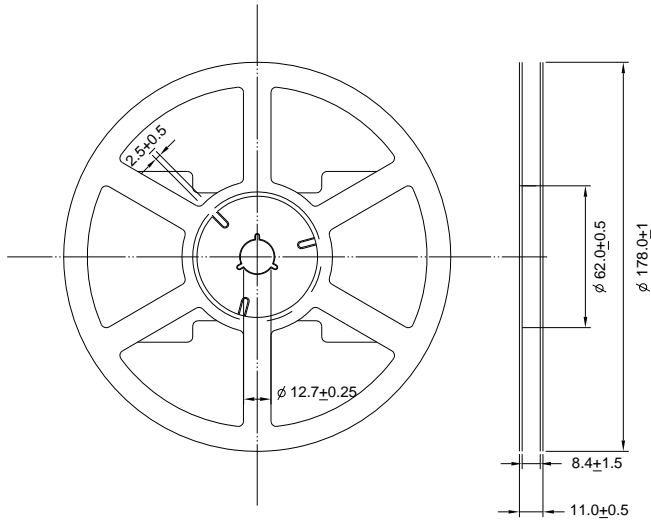
1. All dimensions are millimeters.
2. Tolerance is ± 0.2 mm unless otherwise specified.
3. Specifications are subject to change without notice.

Optical Characteristics Curves



Reel Dimension:

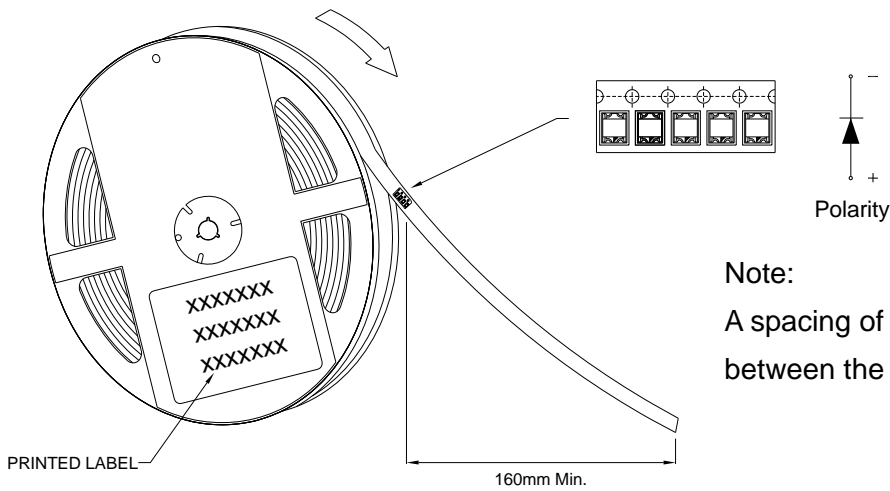
unit : mm



Note:

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

USER FEED DIRECTION

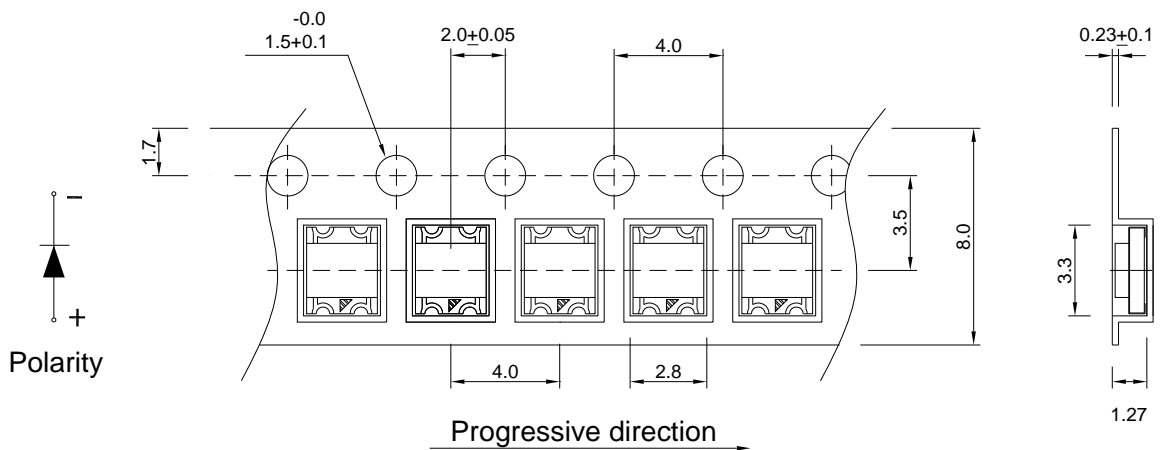


Note:

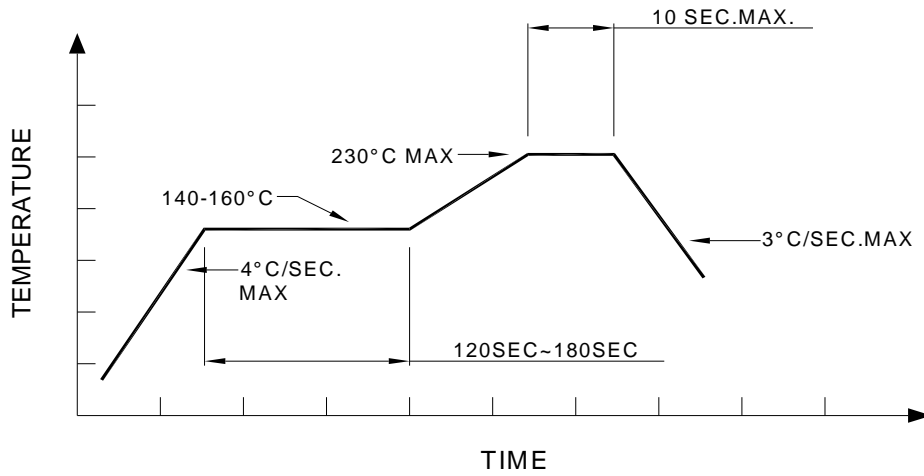
A spacing of approximately 160mm between the front edge of tape

Tape Dimension:

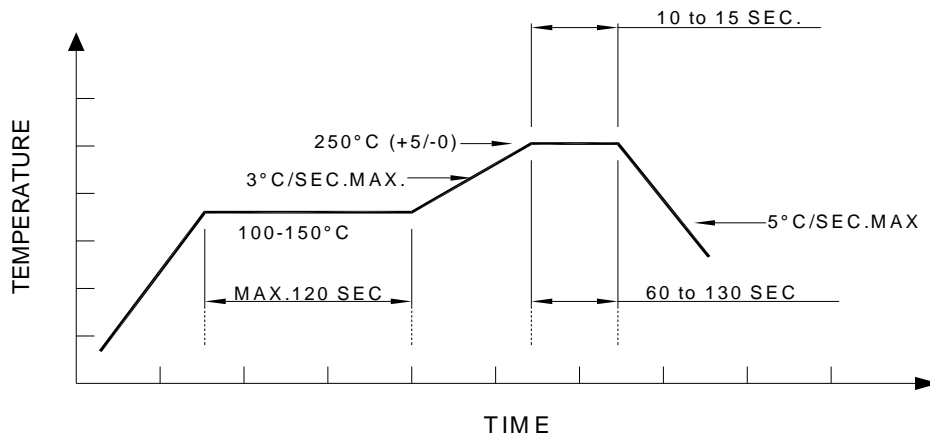
unit:mm



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.