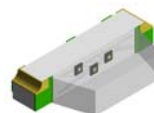


Side View RGB SMD LED

VS 7R98

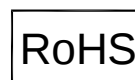
Description

This is Full Color SMD LED series with dimension 2.70 mm (L) * 1.35 mm (W) * 0.5 mm (H). The unique of these LEDs are made from AlGaInP and InGaN chips that provide high luminous intensity at low driving current. The lens design provides 130 degree viewing angle and suitable for backlighting purpose.



Applications

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



Electronic Optical Characteristics (at 5mA):

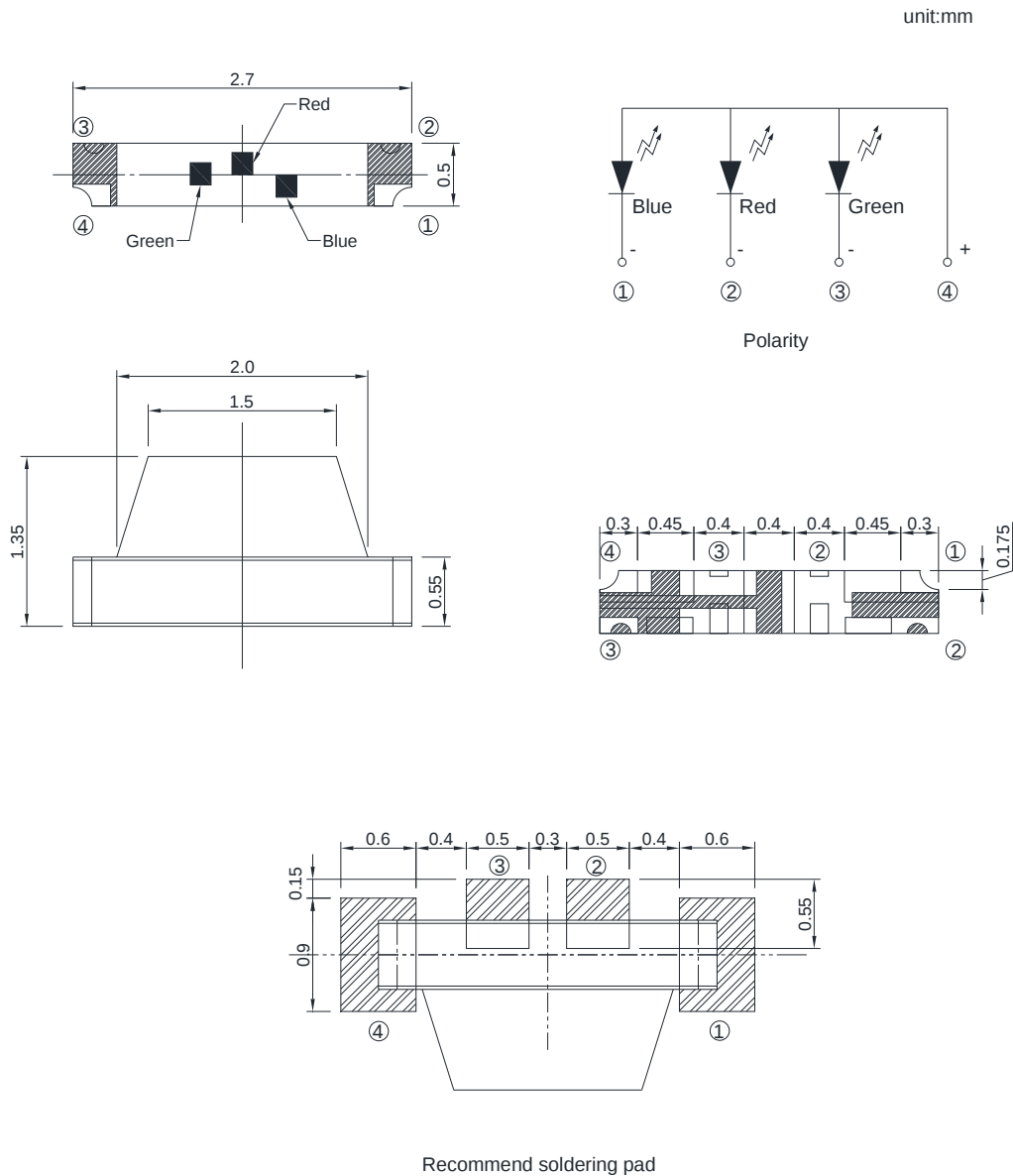
Part Number	Color	λ (nm)		Iv(mcd)		VF(Volt)		View Angle (2 θ 1/2)	Lens
		λ_d	λ_p	Min.	Typ.	Min.	Max.		
VS 7R98	True-green 	532	518	35.0	73	2.7	3.2	130	Milky
	Red 	619	626	14.5	25	1.7	2.0		
	Blue 	473	468	10.0	17	2.7	3.1		

Absolute Maximum Ratings (at Ta=25°C)

Emitted Color	P _D (mW)	I _F (mA)	I _{FP} (mA)	I _R (uA)@V _R =5V	Topr (°C)	Tstg (°C)
True-green	100	30	100	50	-40~+85	-40~+100
Red	60	25	60	10	-40~+85	-40~+100
Blue	100	30	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.

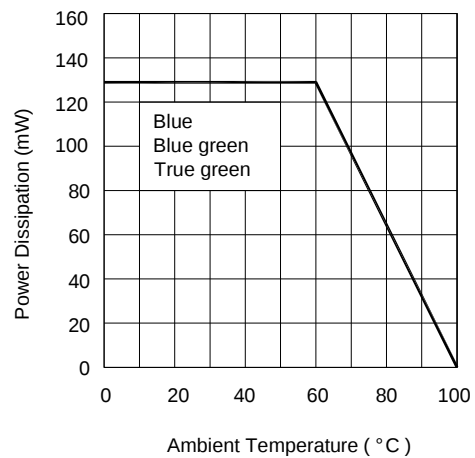
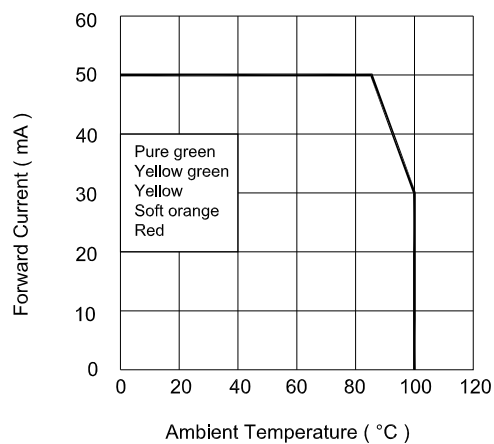
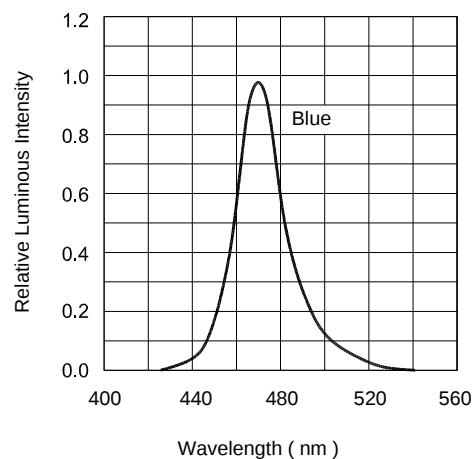
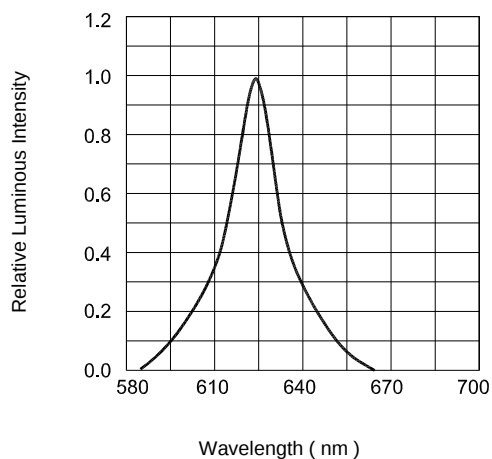
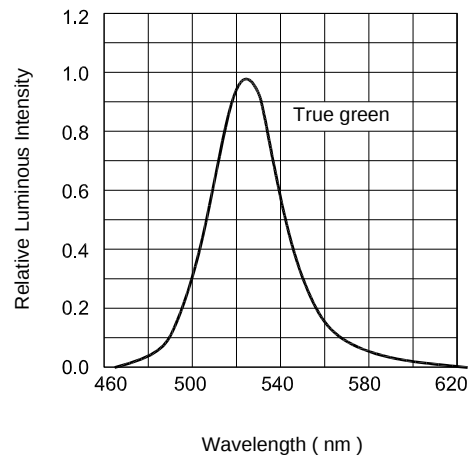
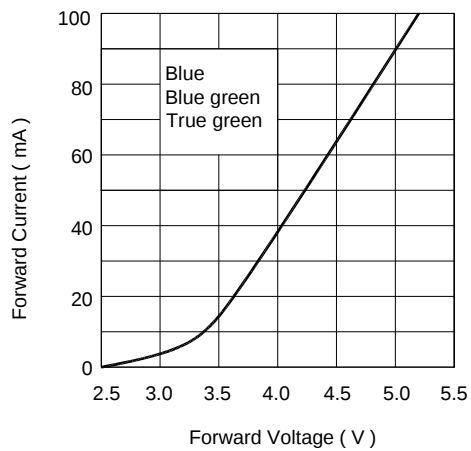
Package Dimension:



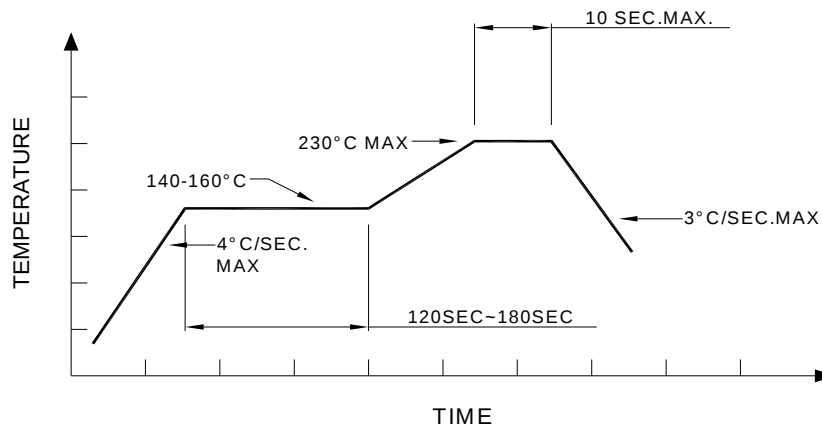
Notes:

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

Optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:

