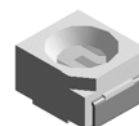


PLCC-2 Flat Package SMD LED

VR A2S8

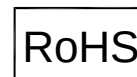
Description

The constructive of this series of LED are different from the PCB type SMD LED. The lead-frame is of metal, reflector is made of thermoplastic and construct into this unique type of SMD LED. The wavelengths and luminous Intensities of this series are grouped under 20mA for uniformity. Such construction is very suitable to be used in high demanding reliability applications such as in-car dashboard or telecommunications.



Applications

- Dashboards and switch
- Backlight keypads
- Industrial control systems signal indicator
- Automotive features
- Telephone and fax backlighting or indicator



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.		Min.	Typ.
VR A2S8	Blue 	470	468	Clear	225	450	120	2.7	3.3

Absolute Maximum Ratings (at Ta=25°C)

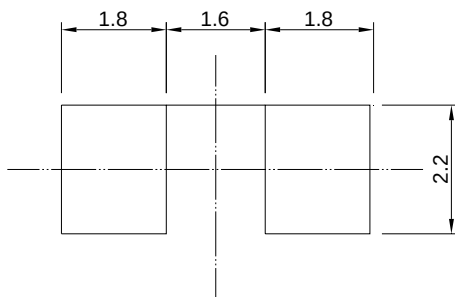
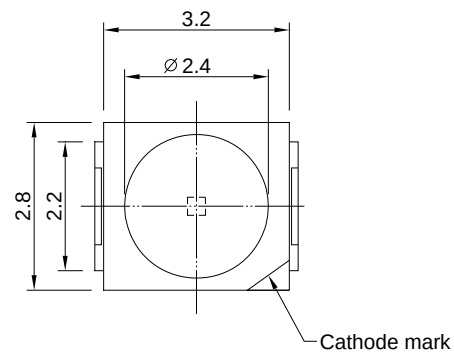
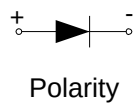
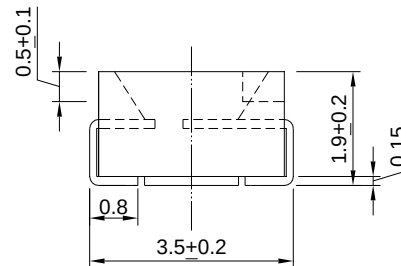
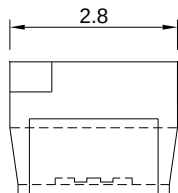
P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder (°C)	I _R (uA)@V _R =5V	Topr(°C)	Tstg(°C)
110	100*	30	350 ± 5 for 3 sec.	50	-40~+85	-40~+100

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.

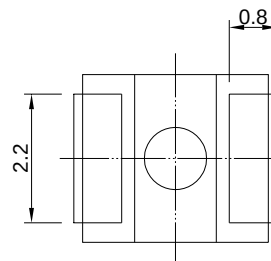
* I_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:

unit : mm



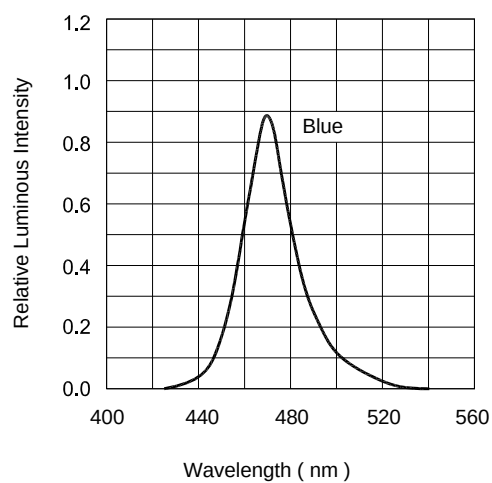
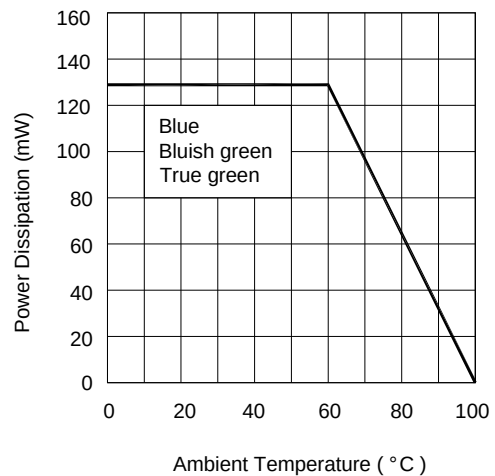
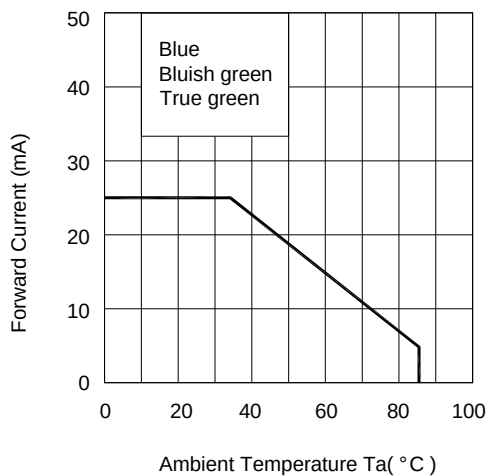
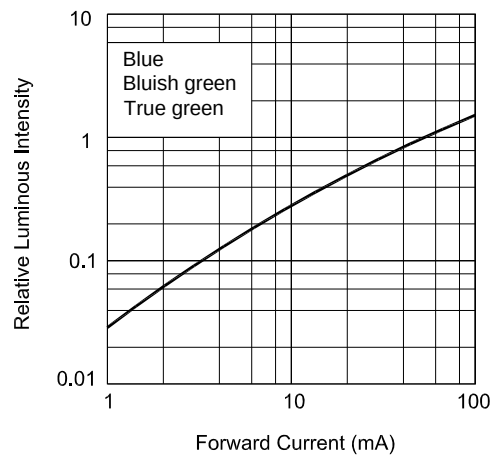
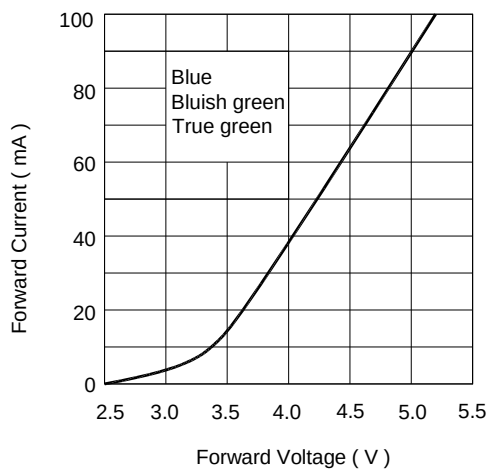
Recommended Soldering Pad



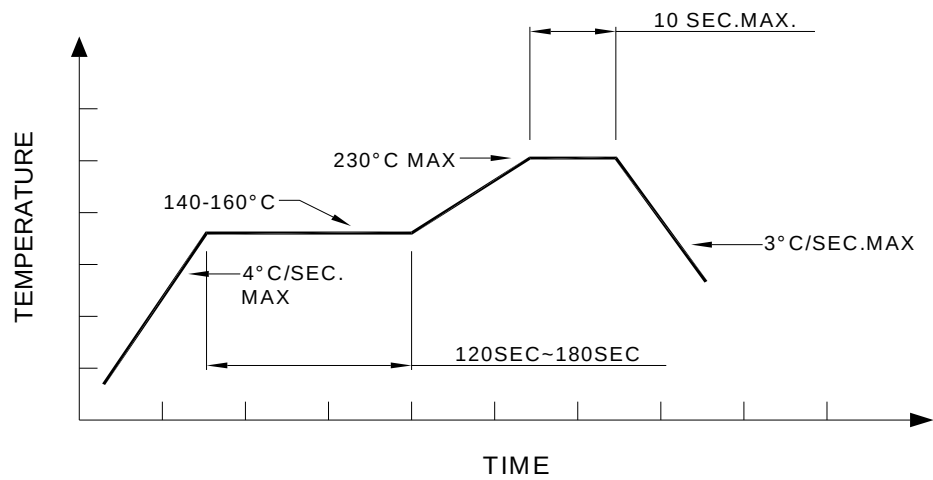
Notes:

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

Optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:

