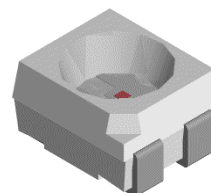


PLCC-3 Package SMD LED

VR 72C8

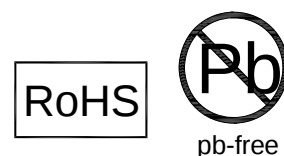
Description

The constructive of this series of LEDs 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 30mA for uniformity.



Applications

- Dashboards and switch
- Backlight keypads
- Industrial control systems signal indicator
- Automotive features
- Industrial panel



Electronic Optical Characteristics (@ 30mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle (2 θ 1/2)	VF(V)	
		λ_d	λ_p		Min.	Max.		Min.	Max.
VR 72C8	Blue 	470	468	Clear	280	715	120	2.8	3.9

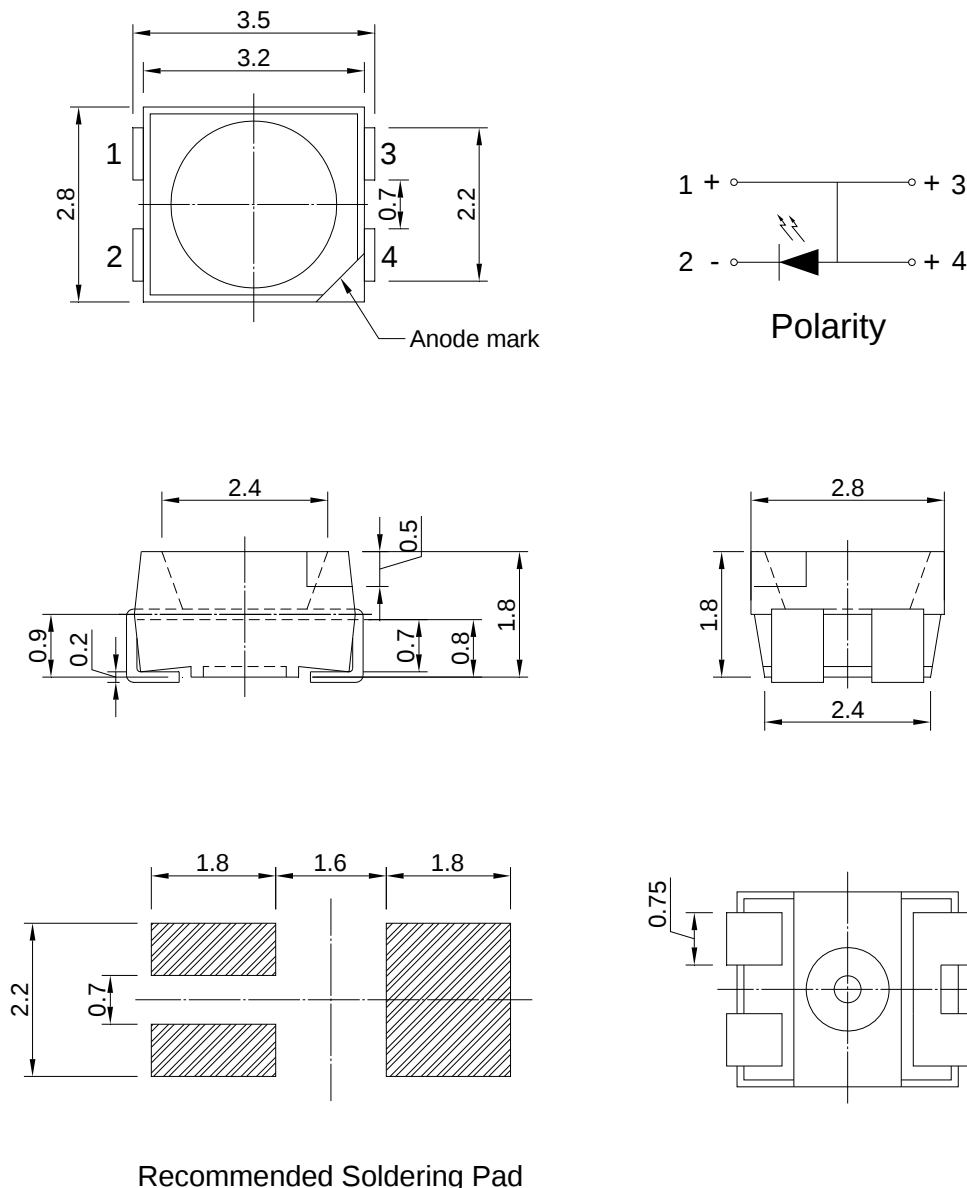
Absolute Maximum Ratings (@ Ta=25°C)

P _D (mW)	I _F (mA)	ESD(V)	I _R (μ A) @VR=5V	T _{opr} (°C)	T _{stg} (°C)
120	30	1000	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:

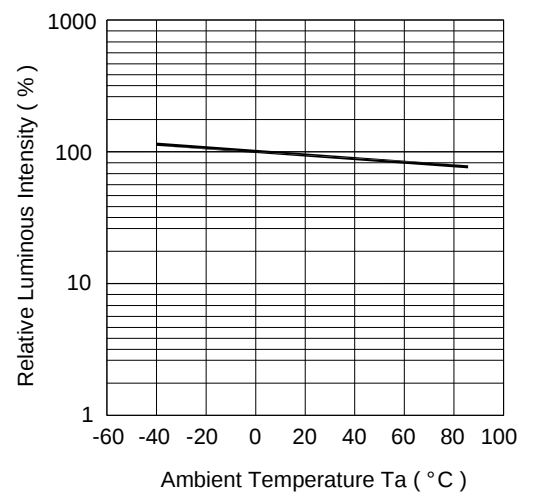
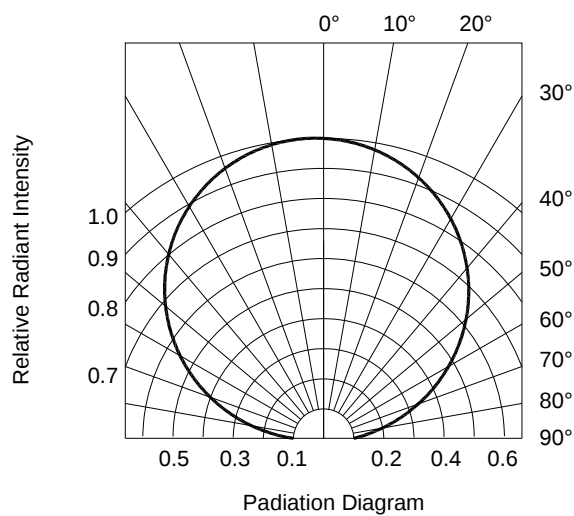
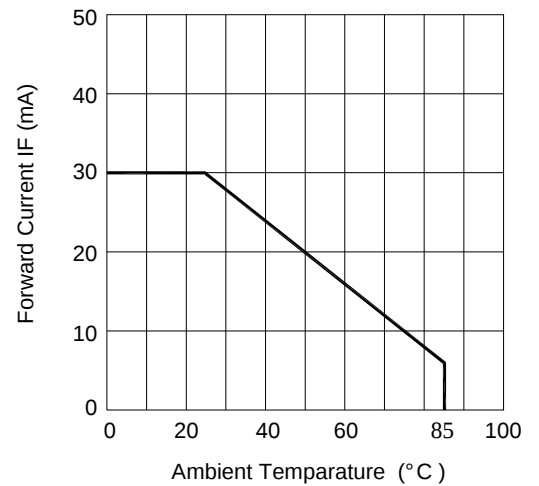
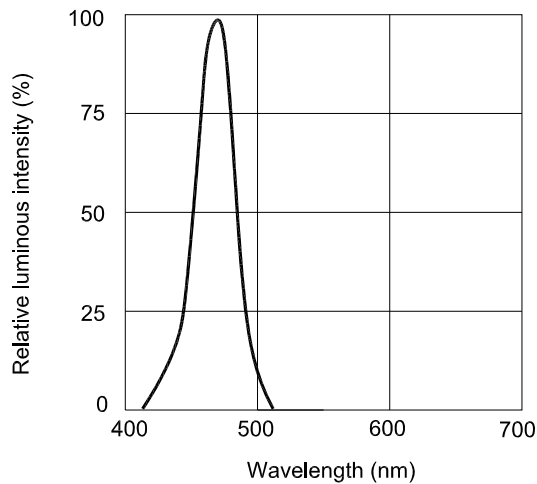
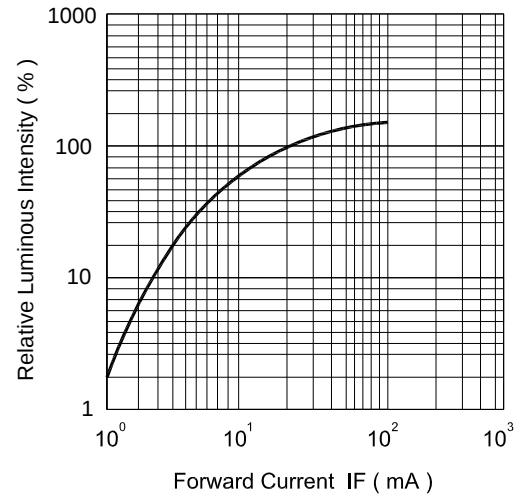
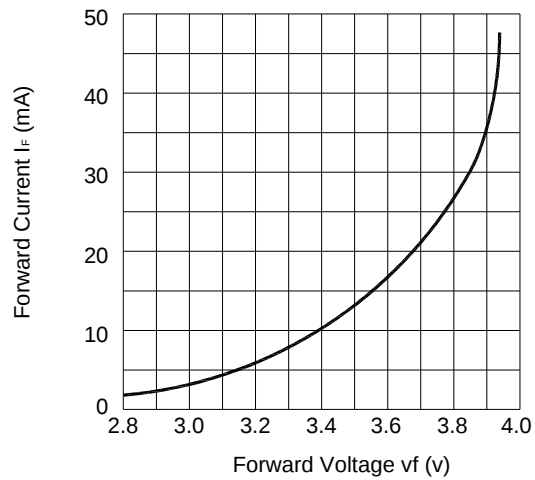
unit:mm



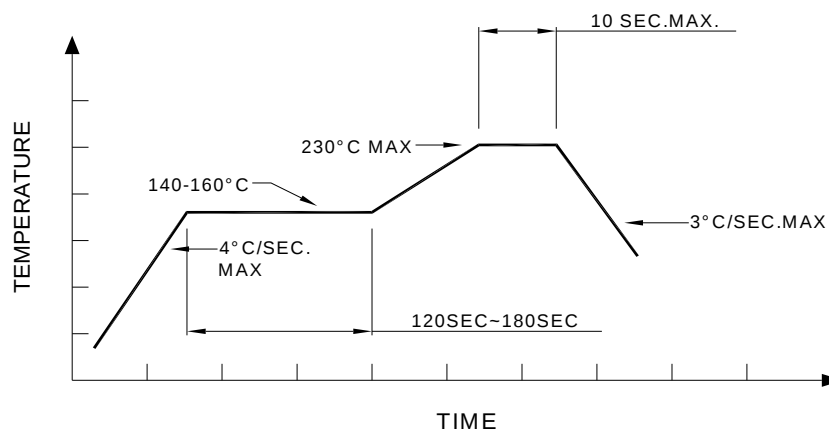
Notes:

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

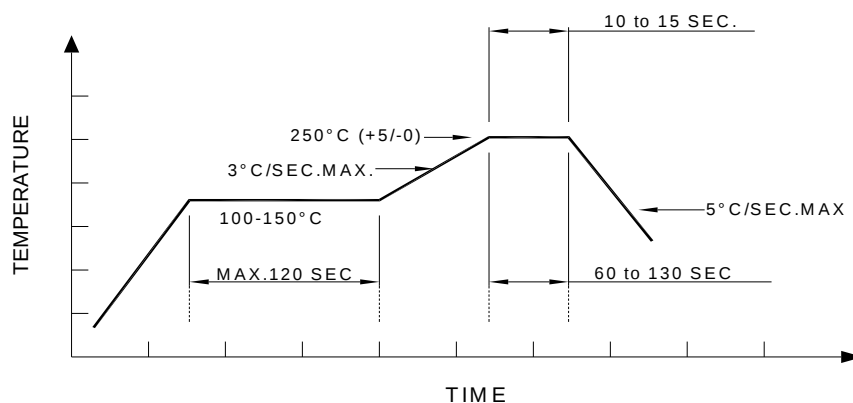
Optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:



Wavelength Rank @ 30 mA

Bin Code	1	2	3	4
nm	464.5-467.5	467.5-470.5	470.5-473.5	473.5-476.5

Luminous intensity Rank @ 30 mA

Bin Code	40	41	42	43
Iv (mcd)	280-355	355-450	450-560	560-710

Forward Voltage Rank @ 30 mA

Bin Code	R	S	T	U
Volt	2.80-3.05	3.05-3.35	3.35-3.65	3.65-3.90