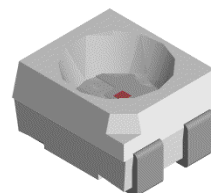


PLCC-3 Package SMD LED

VR 73C8

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 73C8	True-green 	525	518	Clear	710	1800	120	2.8	3.9

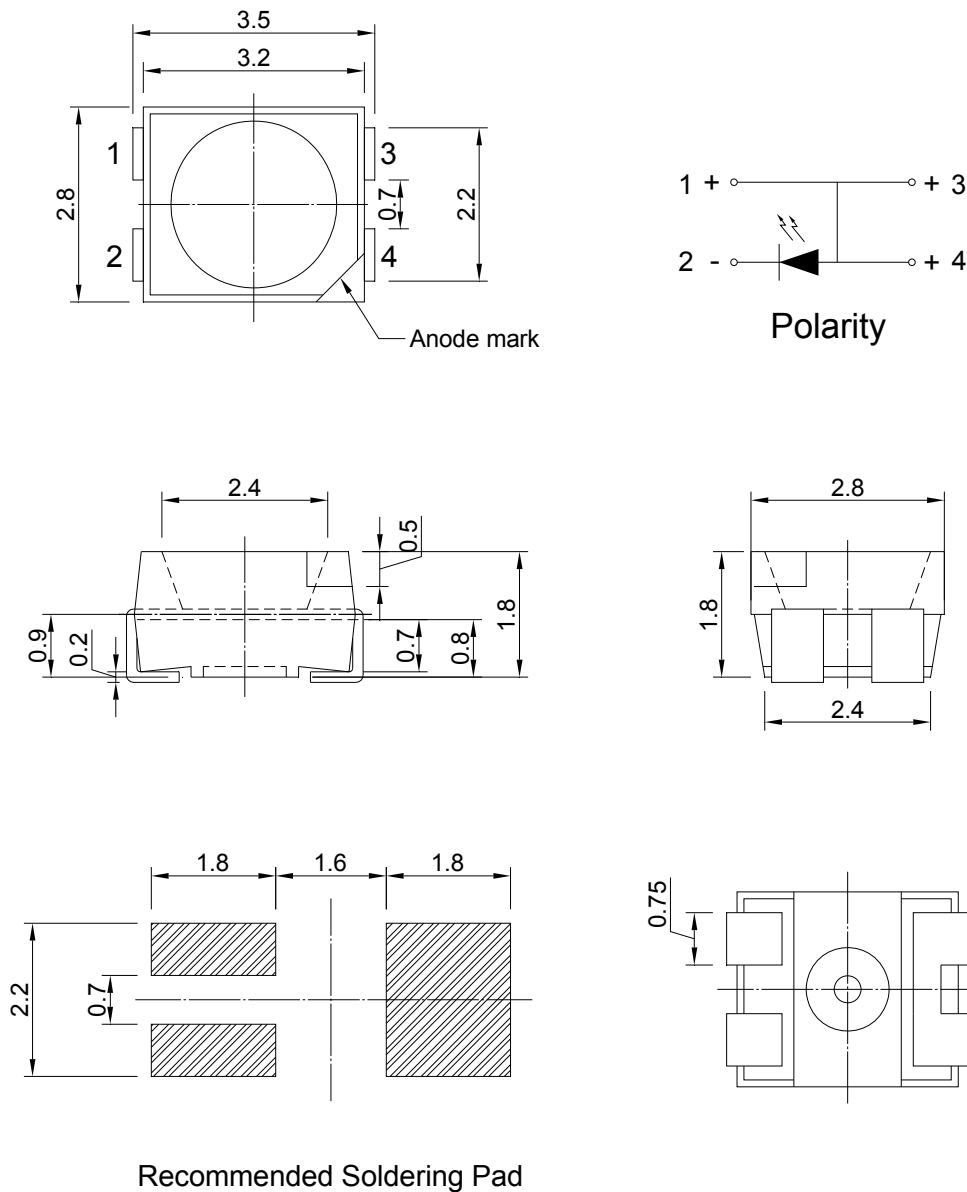
Absolute Maximum Ratings (@ Ta=25°C)

P _D (mW)	I _F (mA)	ESD(V)	I _R (uA) @VR=5V	Topr (°C)	Tstg (°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:

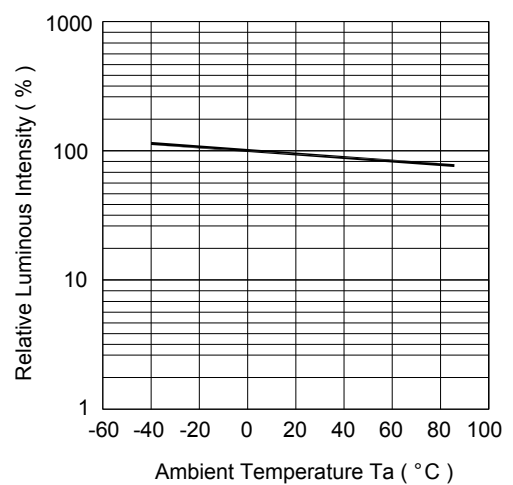
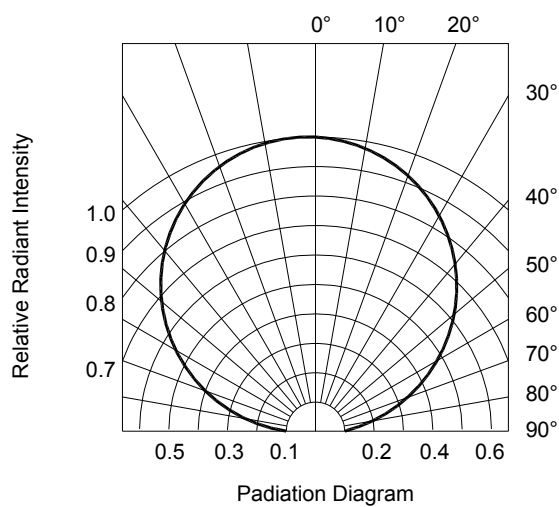
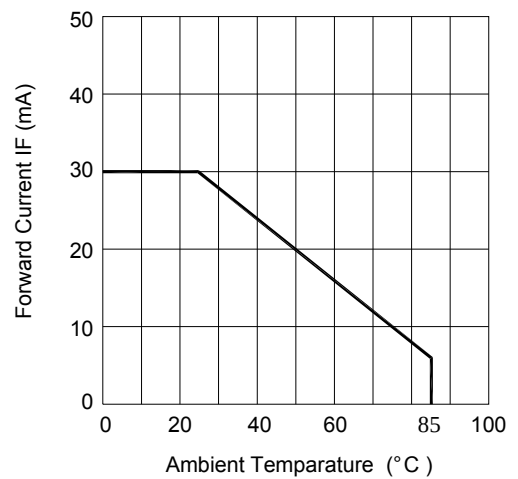
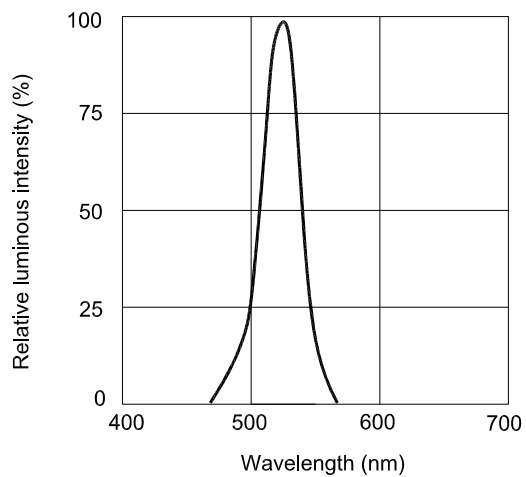
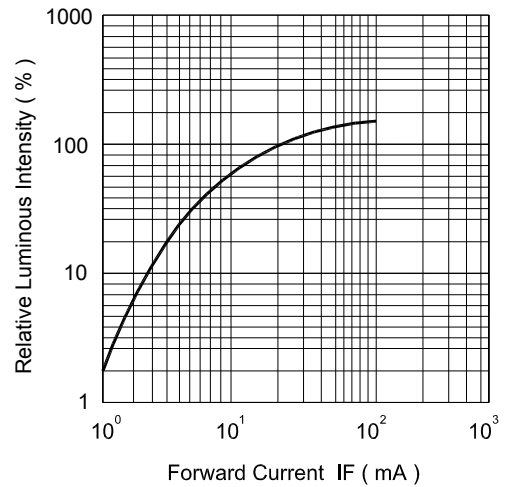
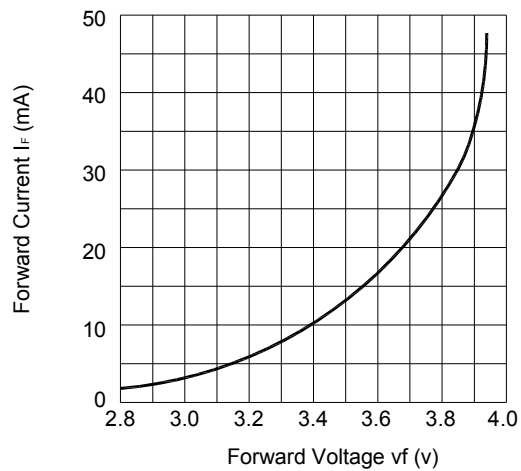
unit:mm



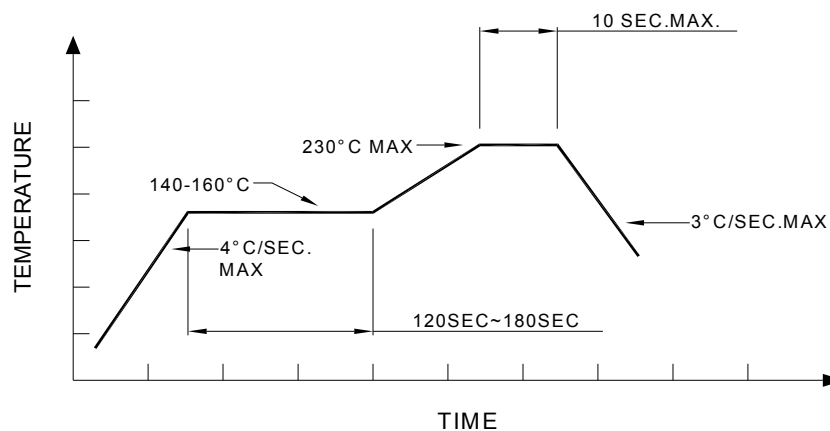
Notes:

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

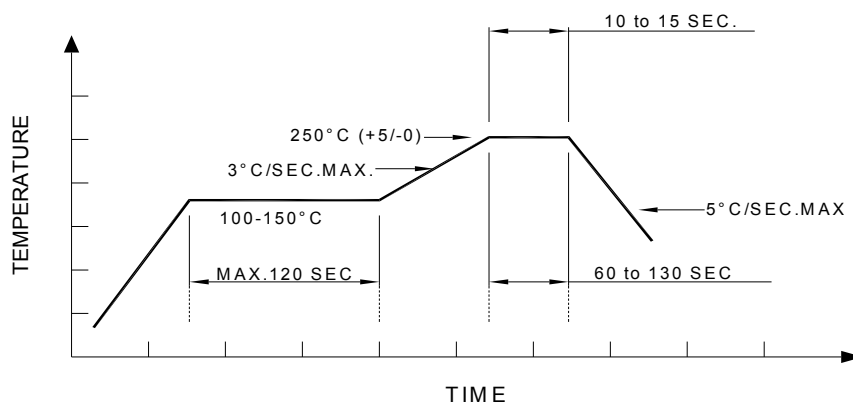
Optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:



Wavelength Rank @ 30 mA

Bin Code	R	S	T	--
nm	520-525	525-530	530-535	---

Luminous intensity Rank @ 30 mA

Bin Code	44	45	46	47
Iv (mcd)	710-900	900-1120	1120-1400	1400-1800

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