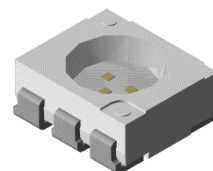


PLCC 6 Package SMD LED

Description

The constructive of this series of LEDs are different from the PCB type SMT 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.

VR 82C8



Applications

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



Electronic Optical Characteristics (@20mA):

Part Number	Emitted Color	λ (nm)		Lens Color	I_v (mcd)		View Angle (2 θ 1/2)	V_F (V)	
		λ_d	λ_p		Min.	Max.		Typ.	Max.
VR 82C8	Blue 	470	468	Clear	280	710	120	3.4	3.7

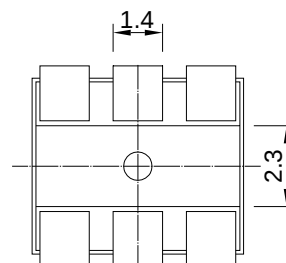
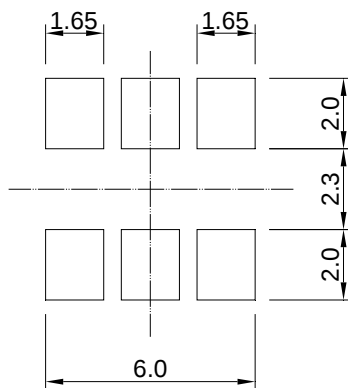
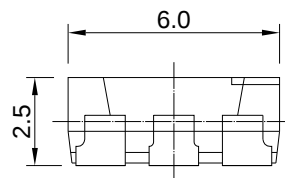
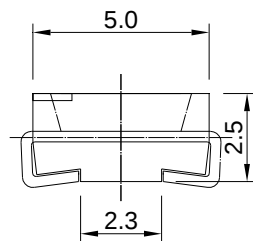
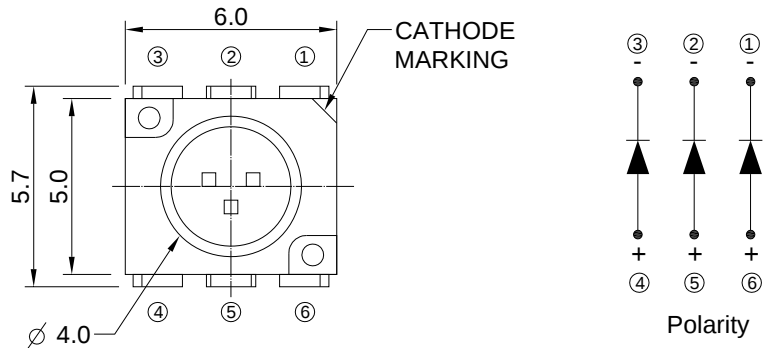
Absolute Maximum Ratings (@ Ta=25°C)

Emitted Color	P_D (mW)	I_F (mA)	ESD(V)	I_R (μ A) @VR=5V	Topr (°C)	Tstg (°C)
Blue (470nm)	110	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

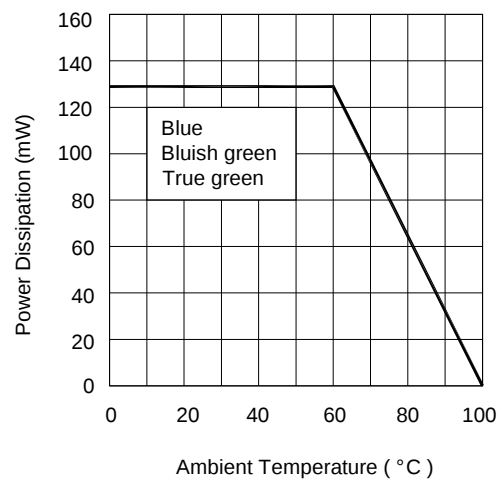
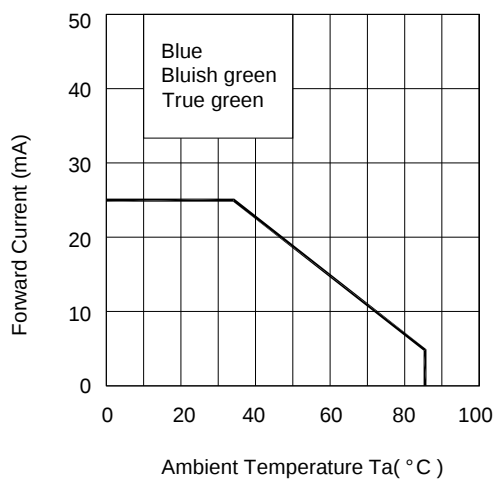
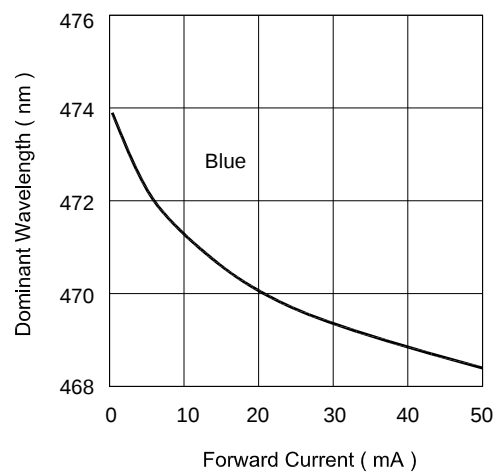
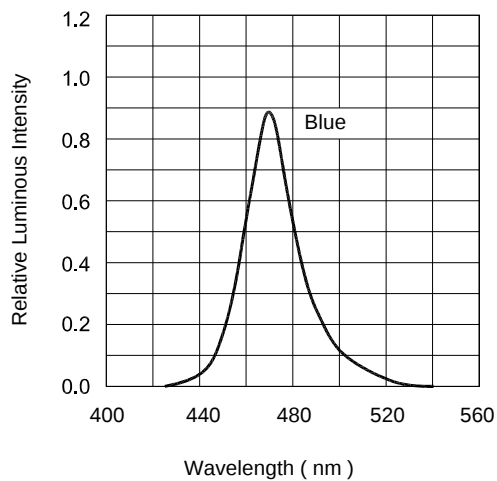
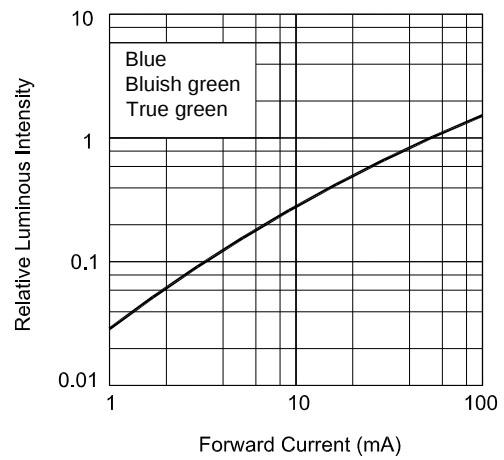
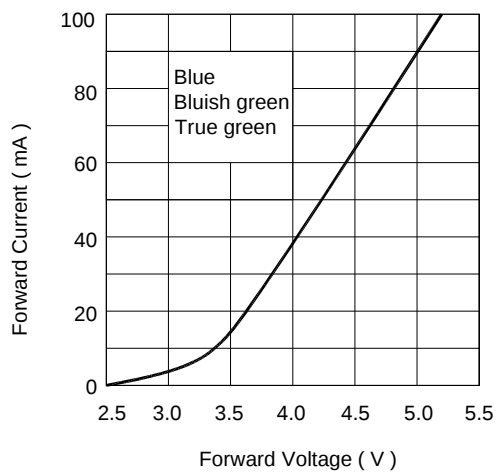


Recommended Soldering Pad

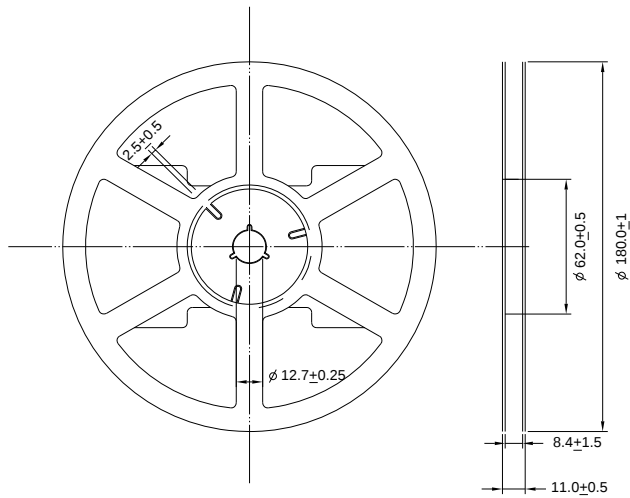
Notes:

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

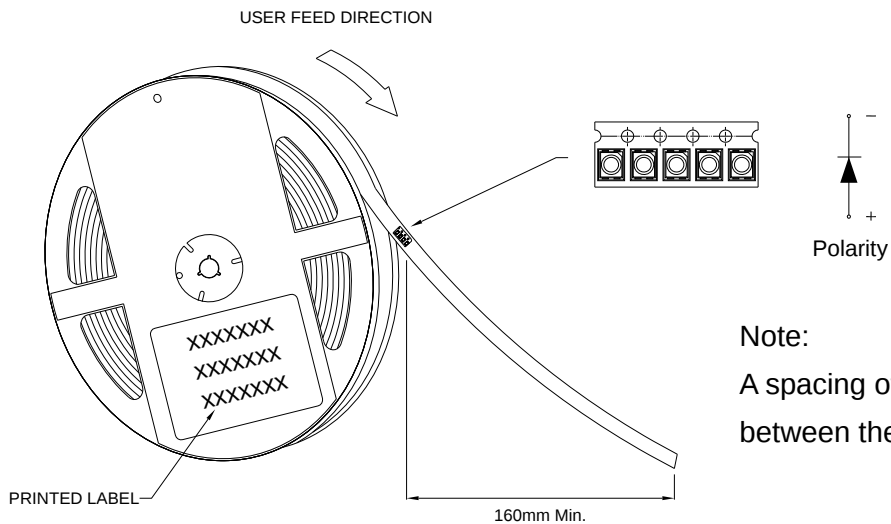


Reel Dimension:



Note:

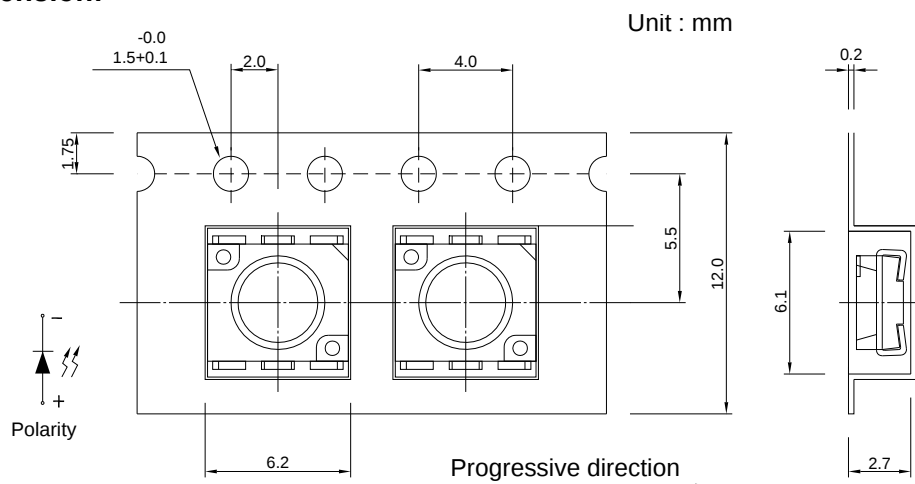
Available in 8mm carrier tape on 178mm diameter reels. (800 pieces)



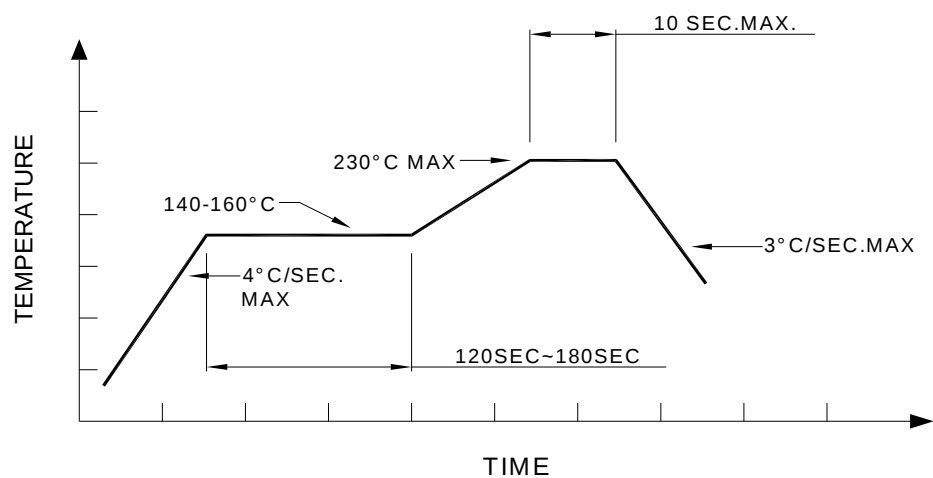
Note:

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

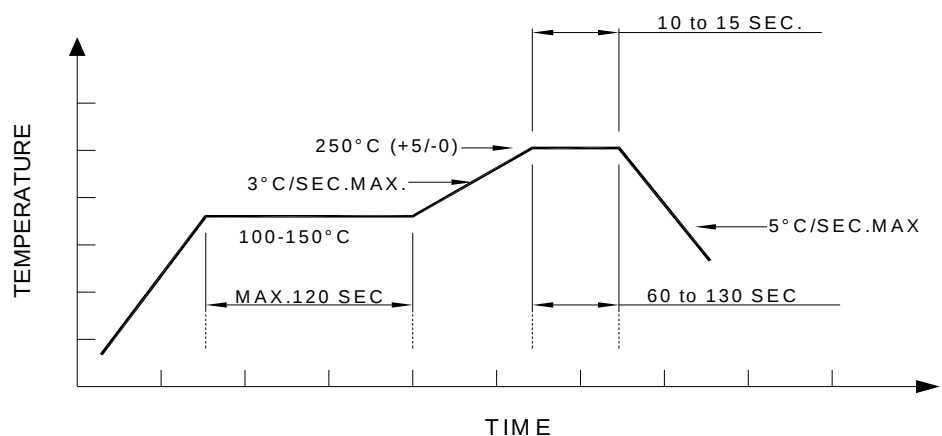
Tape Dimension:



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:



Wavelength Ranks(at 20mA)

WL (nm)	A	B	C	D
Min.	455.5	458.5	461.5	--
Max.	458.5	461.5	464.5	--

Luminous Intensity Ranks(at 20mA)

LI (mcd)	40	41	42	43
Min.	280	355	450	560
Max.	355	450	560	710