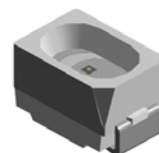


2214 PLCC-2 Package SMD LED

VR E3D8.39

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 20mA for uniformity.



Applications

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

RoHS



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.	Max.		Typ.	Max.
VR E3D8.39	True green 	525	518	Clear	225	560	120	2.7	3.7

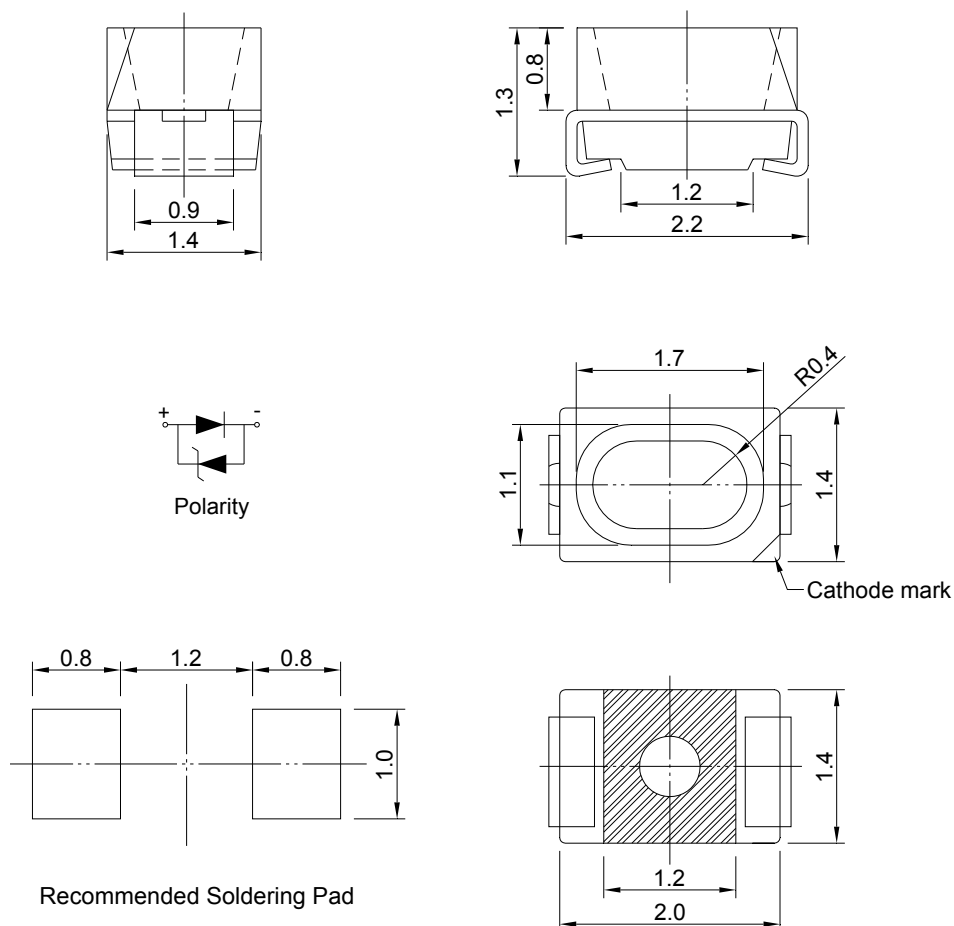
Absolute Maximum Ratings (at Ta=25°C)

Emitted Color	P _D (mW)	I _F (mA)	ESD(V)	I _R (uA) @VR=5V	T _{opr} (°C)	T _{stg} (°C)
True green (525nm)	110	25	2000	50	-40~+85	-40~+90

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:

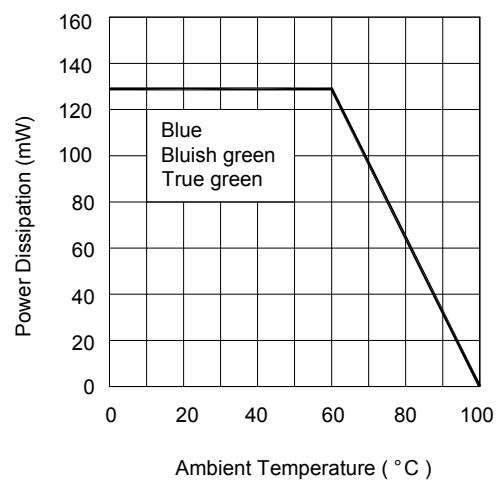
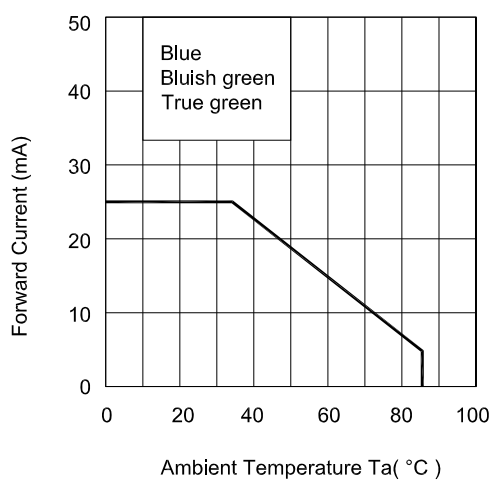
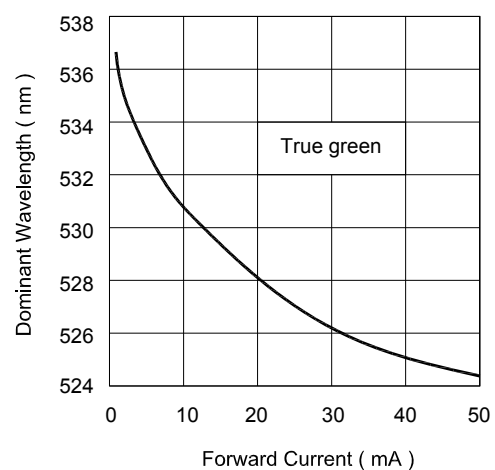
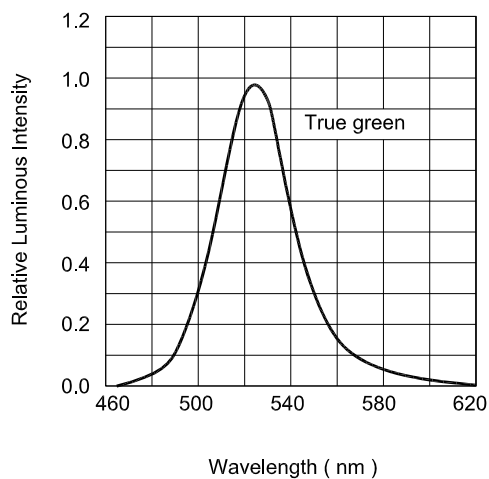
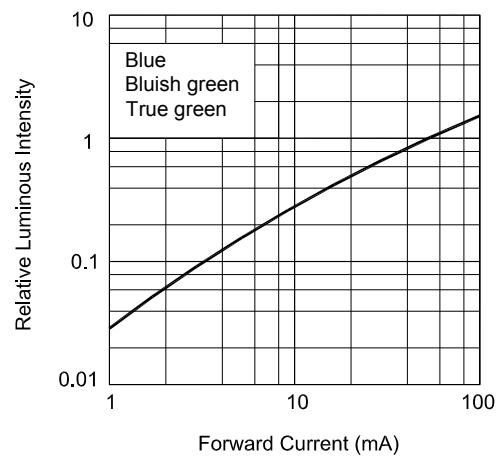
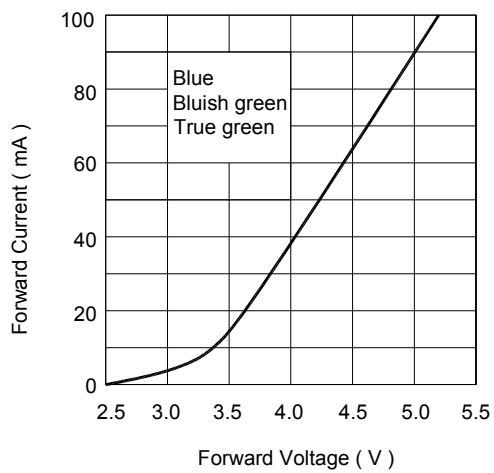
unit : mm



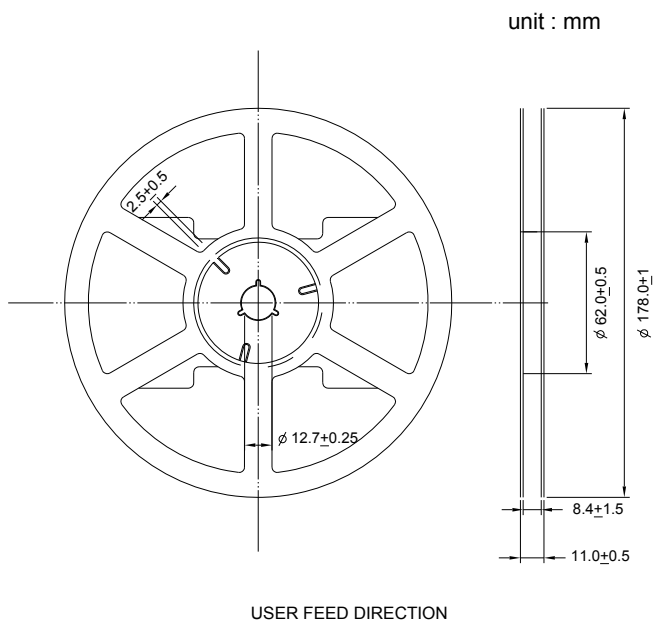
Notes:

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

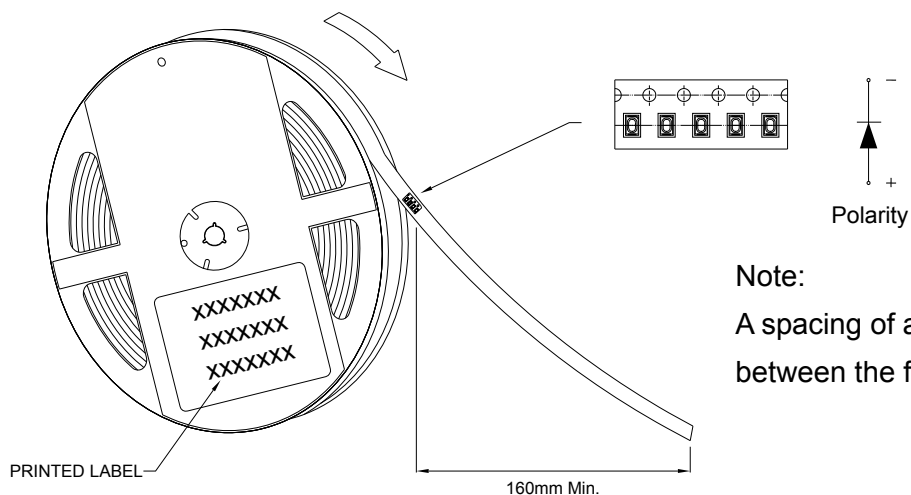


Reel Dimension:



Note:

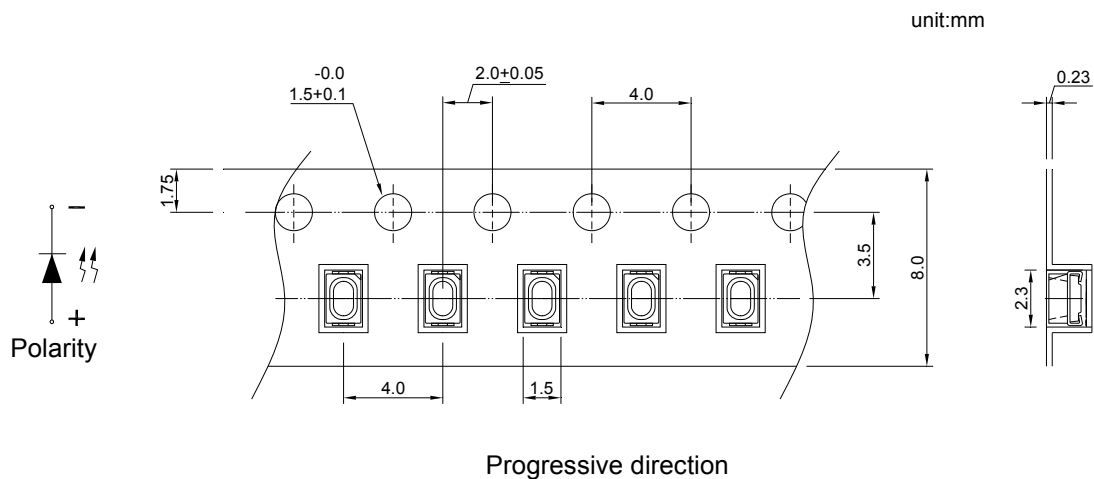
Available in 8mm carrier tape on 178mm diameter reels. (3000 pieces)



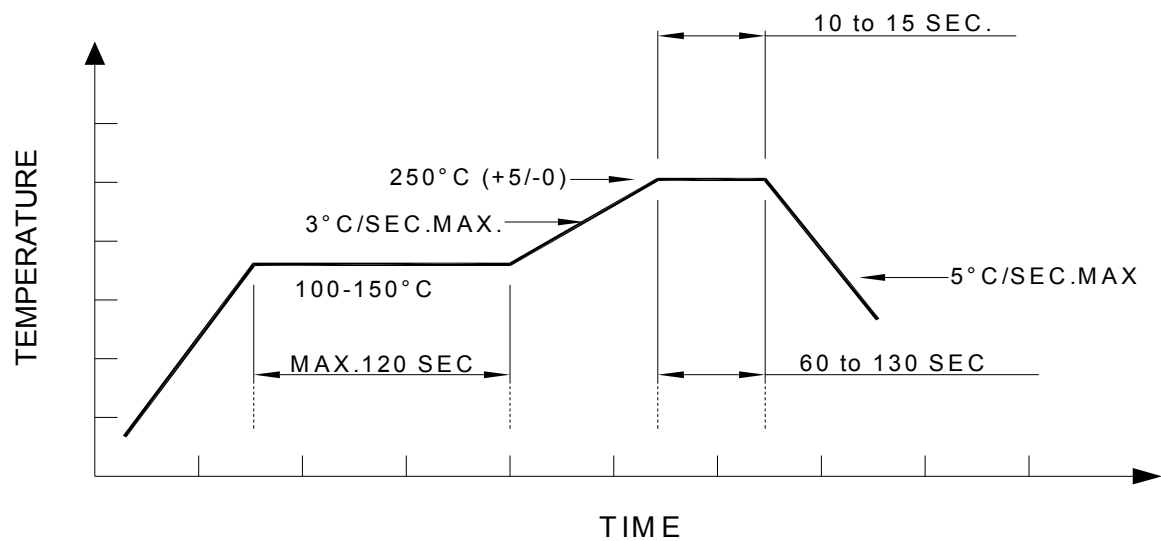
Note:

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

Tape Dimension:



Recommended Pb-free re-flow soldering profile:



Specification for Bin Grade

Iv (mcd)			VF(Volt)			λ d(nm)		
Code	Min.	Max.	Code	Min.	Max.	Code	Min.	Max.
39	224	280	A	2.7	2.9	a	520	525
33	280	355	B	2.9	3.1	b	525	530
34	355	450	C	3.1	3.3	c	530	535
35	450	560	D	3.3	3.5	----		
---			E	3.5	3.7	----		