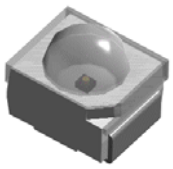
PLCC-2 Dome Package SMD LED

VR C978

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 SMT 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

Pb
pb-free

Electronic Optical Characteristics (at 20mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Iv(mcd)		View Angle (2θ1/2)	VF(V)	
		λ d	λ p		Min.	Typ.		Typ.	Max.
VR C978	Orange	615	621	Clear	224	415	60	2.0	2.4

Absolute Maximum Ratings (at Ta=25℃)

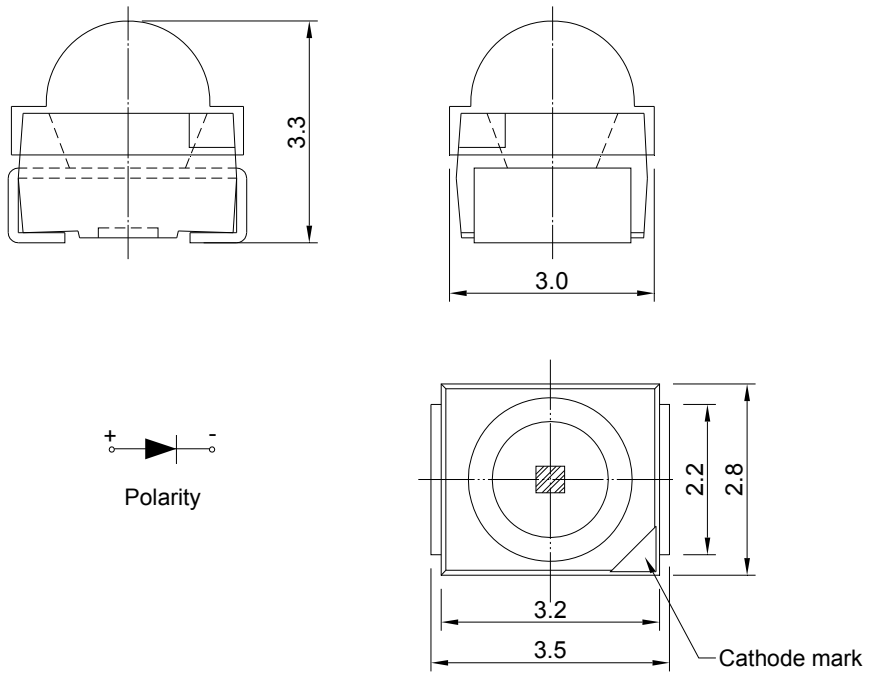
P_D(mW)	I_{FP}(mA)	I_F(mA)	Iron Solder (℃)	I_R(uA)@$V_{R=}$5V	Topr(℃)	Tstg(℃)
60	100*	25	350 ± 5 for 3 sec.	10	-40~+85	-40~+100

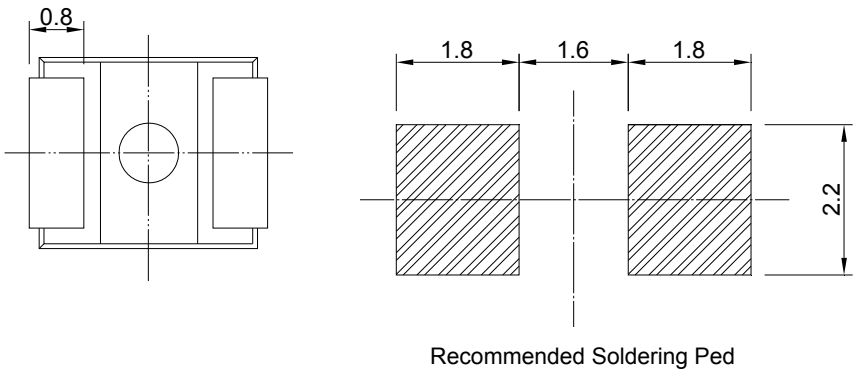
Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specify ratings in this table will result degradation of LED life-span and may cause LED to fail.

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

Package Dimension:

unit : mm



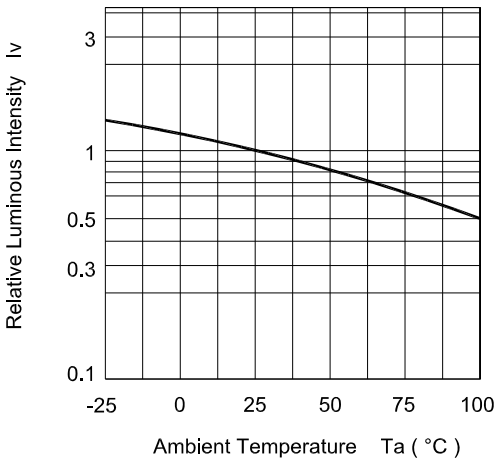


Notes:

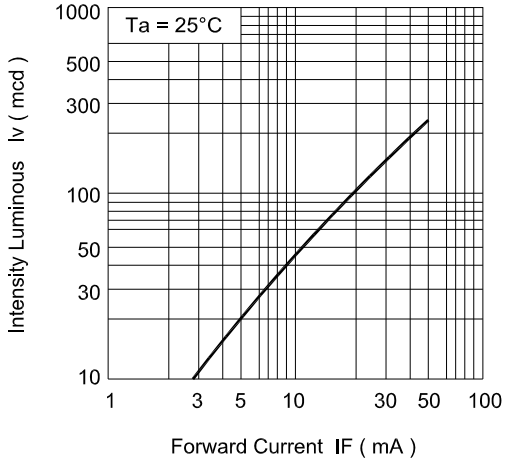
1. All dimensions are millimeters.
2. Tolerance is ± 0.2mm unless otherwise specified.
3. Specifications are subject to change without notice.

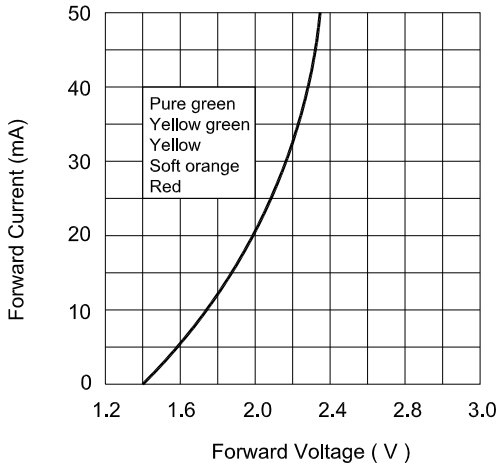
Optical Characteristics Curves

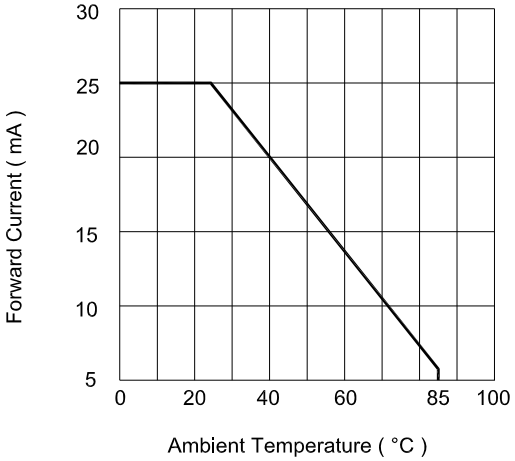
Iv - Ta

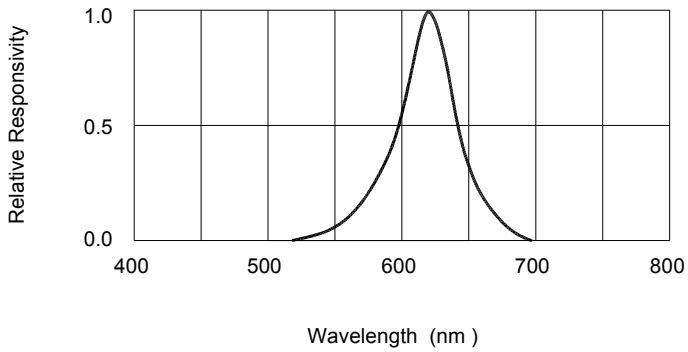


Iv - IF



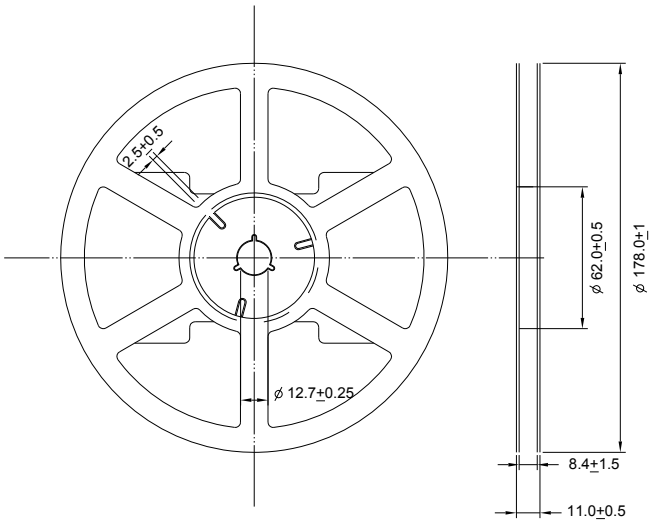






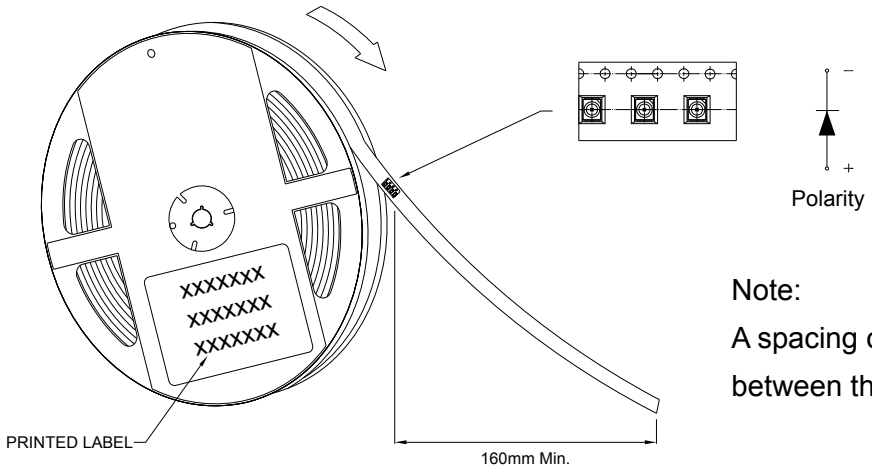
Reel Dimension:

unit : mm



Note:

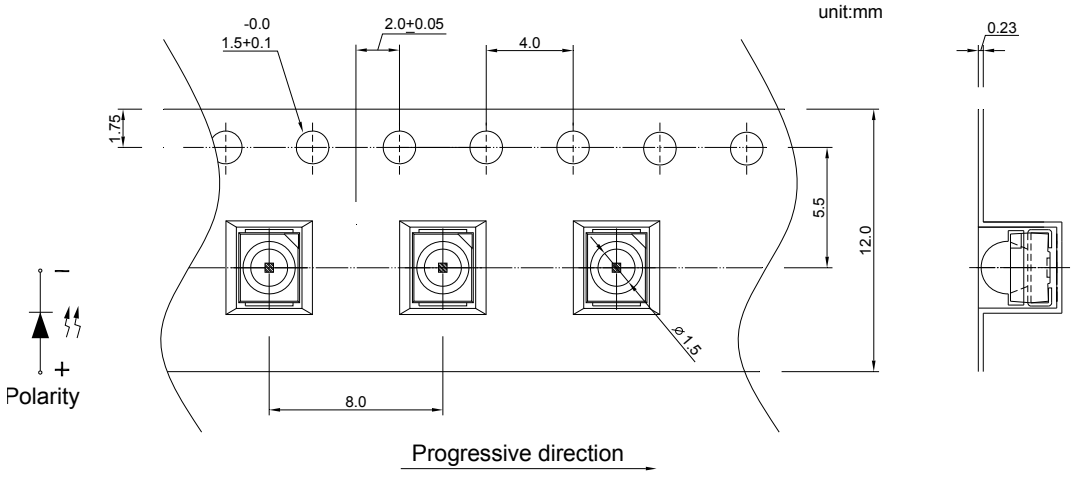
Available in 8mm carrier tape on 178mm diameter reels. (1000 pieces)



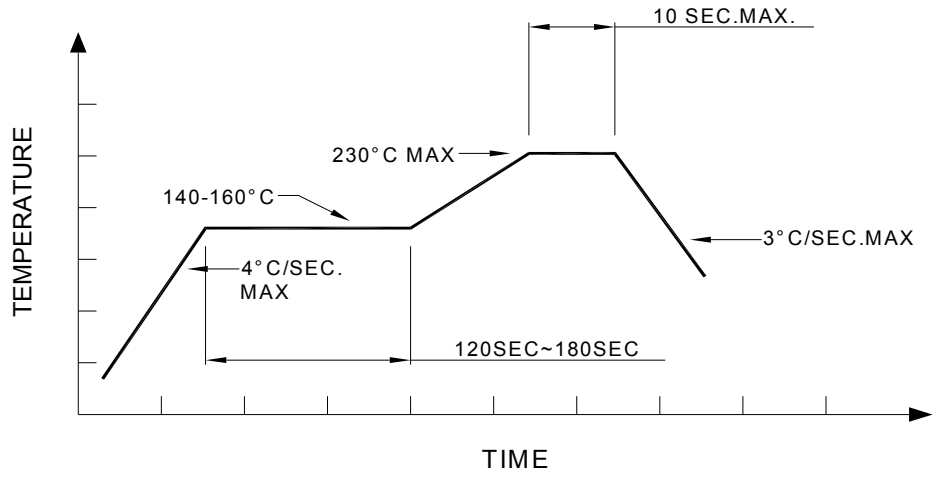
Note:

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

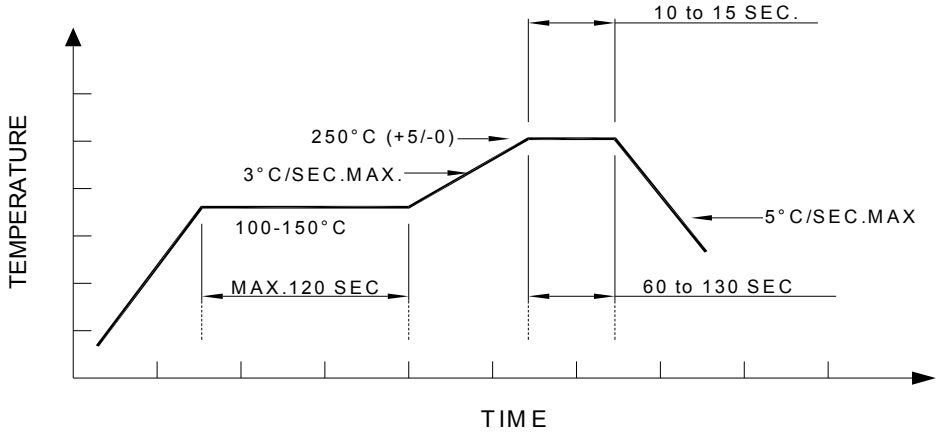
Tape Dimension:



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:



Note:

All the specifications listed in this data sheet are suitable for general electronic equipment, office equipment and communication devices. Kindly consult Sales Representatives for specific reliabilities request, Forward Voltage, Luminous Intensity, Wavelength, Radiant Power or Viewing Angle.