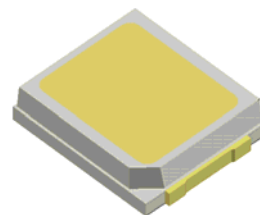


2835 Package SMD LED 150mA

VH 2835W62C

Description

The constructive of this series of LED 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 150mA for uniformity suitable for backlighting applications or in-car dashboard or telecommunications. The lens color is yellow diffused.



Applications

- Industrial control systems signal indicator
- Automotive features
- Flat backlight for LCD switch and symbol
- Light pipe application

RoHS



Electronic Optical Characteristics (at 150mA):

Part Number	Emitted Color	CIE		CCT	$\Phi_v(lm)$		View Angle (2 θ 1/2)	VF(V)	
		X	Y		Min.	Max.		Min.	Max.
VH 2835W62C	White	0.28	0.29	10000K	50	55	120	2.8	3.8

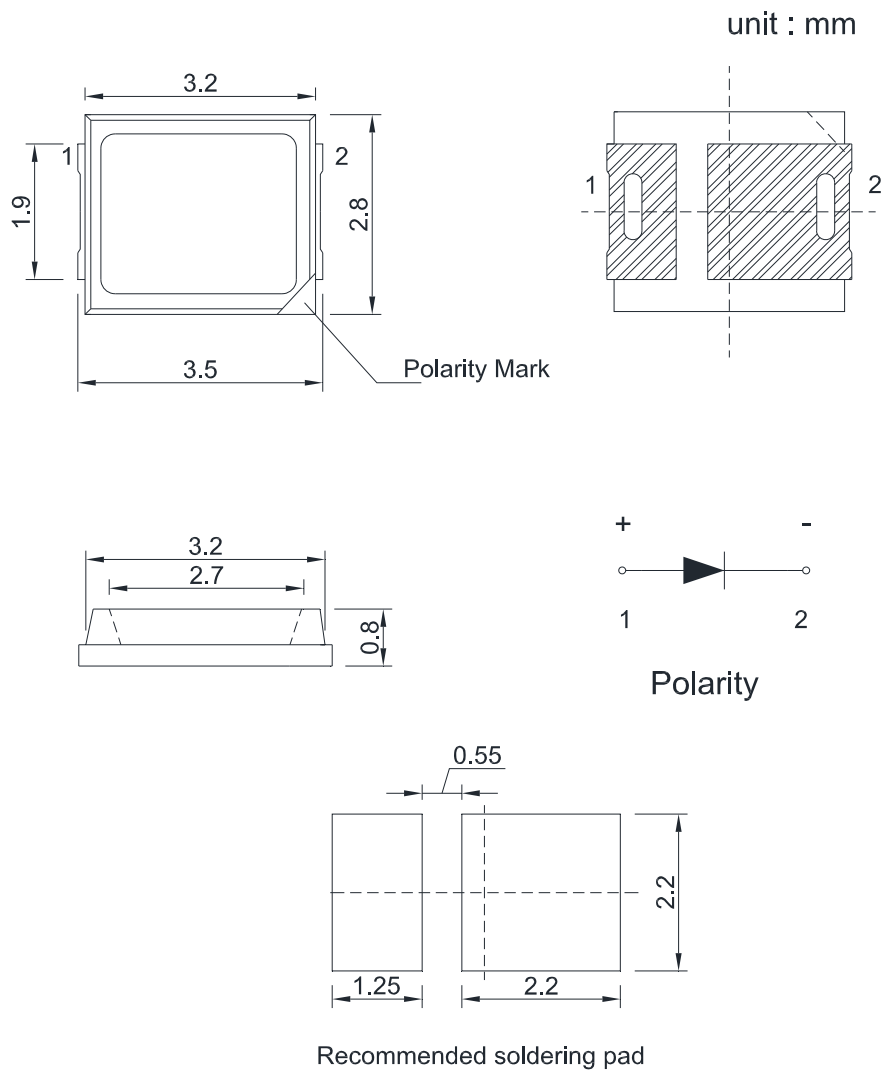
Absolute Maximum Ratings (at Ta=25°C)

P _D (mW)	I _{FP} (mA)	I _F (mA)	Iron Solder(°C)	I _R (uA)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
570	200*	150	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:



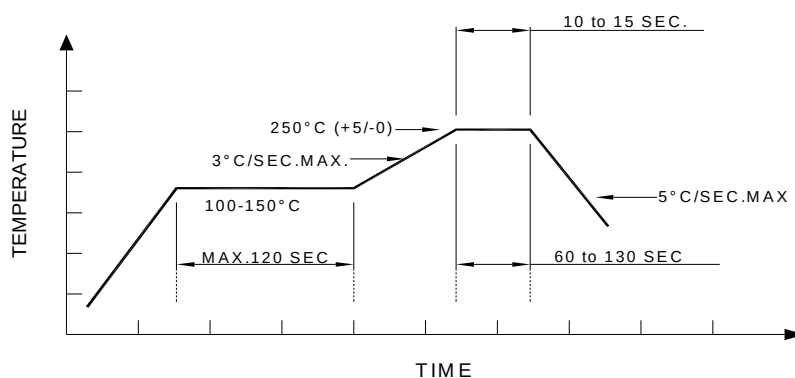
Notes:

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

Chromaticity Coordinates Specifications for bin rank (Ta=25°C)

	X	Y		X	Y
B5	0.286	0.255	B7	0.292	0.285
	0.283	0.240		0.289	0.270
	0.265	0.240		0.271	0.270
	0.268	0.255		0.274	0.285
B6	0.289	0.270	B8	0.295	0.300
	0.286	0.255		0.292	0.285
	0.268	0.255		0.274	0.285
	0.255	0.270		0.277	0.300
C5	0.304	0.255	C7	0.310	0.285
	0.301	0.240		0.307	0.270
	0.283	0.240		0.289	0.270
	0.286	0.255		0.292	0.285
C6	0.307	0.270	C8	0.313	0.300
	0.304	0.255		0.310	0.285
	0.286	0.255		0.292	0.285
	0.289	0.270		0.295	0.300

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.