

# **SPECIFICATION**

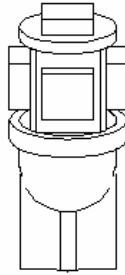
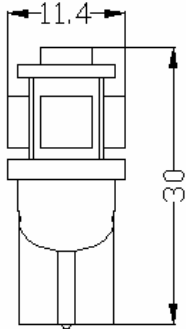
DESCRIPTION: 5SMD5050

PART NO: \_\_\_\_\_

**SMD5050 T10-5LED**

(A) Electronics And Optical Characteristics:  $T_a=25^{\circ}\text{C}$ :

<b>Emitting Color</b>	<b>Forward Voltage Unit: V</b>	<b>Totality Luminous Intensity Unit:LM</b>	<b>Single LED Intensity Unit: mcd</b>	<b>Dominant Wavelength Unit: nm</b>	<b>Viewing Angle Unit: deg</b>	<b>Color Temperature Unit: K</b>
R	12	6.5-8	1200-2000	620-630	120	-----
Y	12	9.8-11	1500-2500	580-590	120	-----
B	12	4.5-5	800-1500	460-475	120	-----
G	12	27-30	1600-2400	520-525	120	-----
W	12	35-40	4000-6000	-----	120	6000-7000
WW	12	35-40	4000-6000	-----	120	2700-3500
CW	12	35-40	4000-6000	-----	120	8000-10000
<b>Test Condition</b>	<b>Test Voltage: 12V</b>		<b>Current: 60 mA<math>\pm</math>10%</b>		<b>Power: 0.7 W</b>	
<b>IR max:</b>	<b>10<math>\mu</math>A /per chip</b>	<b>VR=5V /per chip</b>				



UNIT: mm

(B) Absolute Maximum Ratings AT  $T_a=25^{\circ}\text{C}$

<b>PARAMETER</b>	<b>MAX</b>	<b>UNIT</b>
Continuous Forward Current	20	mA /per chip
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	100	mA /per chip
Reverse Voltage	5	V /per chip
Operating Temperature Range	<b>-30<math>^{\circ}</math>C to +75<math>^{\circ}</math>C</b>	
Storage Temperature / humidity Range	<b>-40<math>^{\circ}</math>C to +100<math>^{\circ}</math>C/40%to70%</b>	

<b>Lead Solder Temperature 1.6mm Below Package 260°C For 5 seconds</b>