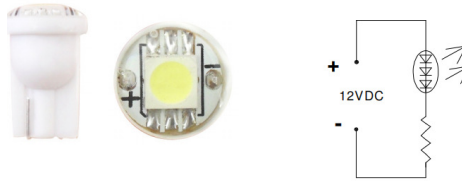


T10 Auto LED

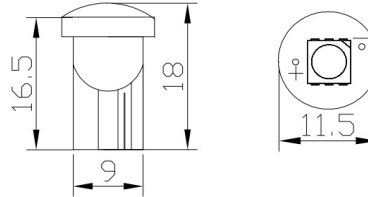
T10 Auto LED which requires a 5050 SMD and a resistor in series to permit direct connection to DC 12V.

Photo

Circuit Diagram



Outline Dimension



■ Features

- 5050 SMD LED
- DC 12V
- Wide Emitting Angle 120°

■ Applications

- Bicycle Light / Torch
- Dashboard Signal / Automotive Lighting

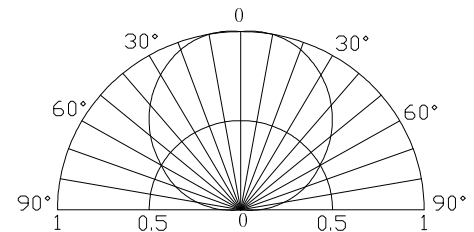
Unit: mm

Tolerance: ± 0.50 mm

■ Absolute Maximum Rating

($T_a=25^\circ\text{C}$)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	14	V
Power Dissipation	P_D	0.42	W
Operating Temperature	T_{opr}	-30 ~ +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100	$^\circ\text{C}$



■ Electrical -Optical Characteristics

($T_a=25^\circ\text{C}$)

Part Number	Color	Control Voltage DC (V)*	Domi. Wavelength*	Luminous Flux*
		Typ.		Typ.
Working Current: $I_F=20\text{mA}$				
OST10AB01GD-M543S4C1A	Warm White	12	2500-3000-3500K	18 lm
OST10AB01GD-W543S4C1A	Cool White	12	8500-10000-20000K	18 lm
OST10AB01GD-W443S4C1A	Pure White	12	5500-6500-8500K	22 lm
OST10AB01GD-B563S4C1A	Blue	12	465-470-475nm	6 lm
OST10AB01GD-G583S4C1A	Pure Green	12	520-525-530nm	18 lm
OST10AB01GD-Y5M3S4C1A	Yellow	12	585-590-595nm	7.5 lm
OST10AB01GD-R5M3S4C1A	Red	12	620-625-630nm	7.5 lm

*1 Tolerance of measurements of chromaticity coordinate is $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous flux is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$