

## LED-Module 12- 18 V

### **PRODUCT SPECIFICATION FOR LED Waterproof Module**

#### **Descriptions:**

- LED Waterproof Module
- Long life, Easy Installation
- Voltages Available 12-18VDC,Stable input current .

#### **Features:**

- Available in Red , Orange , Yellow , Green , Blue , White
- Directly use on line voltage
- Low Power Consumption , High intensity
- Energy saving
- Excellent beam control
- Long life

#### **Application:**

- Channel letter signs
- Indirect accent décor light
- Large area back lighting
- Under counter light
- Decorate building 's contour
- Substitute neon light

## Device Selection Guide

Color	Dom. Wavelength (Typ.)	Intensity / Per LED (Typ.)
Red	625 $\pm$ 5nm	2000 mcd
Orange	605 $\pm$ 5nm	2000 mcd
Yellow	590 $\pm$ 5nm	2000 mcd
Green	530 $\pm$ 5nm	2500 mcd
Blue	475 $\pm$ 5nm	900 mcd
White	X=0.27 ; Y=0.28	1700 mcd
Warm White	X=0.45 ; Y=0.41	1000 mcd
Pink	X=0.45 ; Y=0.17	300 mcd

## Absolute Maximum Ratings(Ta=25°C)

Items	Symbol	Values	Units
Operating supply range(DC)	V <sub>idc</sub>	18	V
Input Current (DC)	I <sub>i</sub>	20	mA
Power Dissipation	P <sub>a</sub>	0.36	W
LED Light Source Temperature	T <sub>led</sub>	105	DegC
Operating Temperature	T <sub>ope</sub>	-10 ~ +40	DegC
Storage Temperature	T <sub>sto</sub>	-20 ~ +80	DegC

## Typical Performance (Ta=25°C)

Items	Symbol	Min.	Typ.	Max.	Units
LED Module Power	P <sub>m</sub>	-	0.24	40.36	w
Input Voltage(DC)	V <sub>i</sub>	-	12	18	V
Product input Current	I <sub>f</sub>	-	20	20	mA
Beam Pattern	BP	-	100	-	Deg
Total Length of Modules (Including Pin)	L <sub>mod.</sub>	-	92	-	mm

**Product Dimensions:**

