

LED CHARACTERISTICS

for SPL12P Illuminated tactile switch

The electrical specifications shown are determined at a basic temperature of 25 C. If the source voltage exceeds the rated voltage of LED, a ballast resistor must be connected in series with the LED.

Single color	Forward Voltage V_f (V) at 20mA	Forward Current I_f (mA)	Reverse Voltage V_R (V)	Reverse Current I_R (μ A) at $V_R=5V$
bi-Red bi-Yellow bi-Super Yellow bi-Green bi-Super Green bi-Pure Green bi-Blue bi-White	1.8~2.6 2.1~2.6 2.1~2.6 2.2~2.6 2.0~2.6 3.2~3.6 3.5~4.0 3.2~3.8	Typical 20mA 30 mA max.	5V	100 μ A max.
Single color build in resistor for 5 V DC	5V DC max.	Typical 7mA 12 mA max.		
bi-Red 5V DC bi-Yellow 5V DC bi-Green 5V DC				
Bicolor LED				
Red & Blue	Red 1.8~2.6 Blue 3.5~4.0	Typical 20mA 30 mA max.		
Red & Pure Green	Red 1.8~2.6 Pure Green 3.2~3.6			
Pure Green & Blue	Pure Green 3.2~3.6 Blue 3.5~4.0			



Attention: LED are electrostatic sensitive devices



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Red Yellow Green Blue	2.0~2.6 2.1~2.6 2.0~2.6 3.5~4.0	30 mA max.	5V	100 μ A
Bicolor LED				
Red & Yellow	Red 2.0~2.4 Yellow 2.1~2.4	30 mA max.		
Red & Green	Red 2.0~2.4 Green 2.0~2.4			
Red & Blue	Red 2.0~2.6 Blue 3.5~4.0			
Yellow & Green	Yellow 2.0~2.6 Green 2.0~2.6			
Yellow & Blue	Yellow 2.1~2.6 Blue 3.5~4.0			
Green & Blue	Green 2.0~2.6 Blue 3.5~4.0			



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