Change Notice NP01 Series Illuminated Pushbuttons

Change of Bicolor LED Specifications

Type of Change:

- 🗹 Engineering 🛛 Part Number
- Product Appearance

The NP01 Series Illuminated Pushbuttons will have changes to the bicolor LEDs. The change will effect all bicolor models, both standard and custom. Differences in the LED specification values are outlined in the following table.

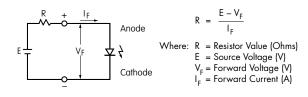


NP01 Pushbutton

Electrical Specifications for NP01 Bicolor LED						
Electrical specifications are determined at a basic temperature of 25°C.		Before Change		After Change		
		CF		CF		Red/Green Bicolor LED
ELECTROSTATIC SENSITIVE DEVICES	Color	Red	Green	Red	Green	
Maximum Forward Current	I _{FM}	50mA (20)	30mA (20)	30mA (25)	25mA (25)	IC2 - Green
Typical Forward Current	I _F	20mA (15)	20mA (7.5)	20mA <mark>(20)</mark>	16mA (5)	LC2 (+) C Green L3 (-) Red
Typical Forward Current for Alternating Legends	I _F	30mA	25mA	20mA	16mA	LC1 0 L2 (-) (+) 0 Ked
Forward Voltage	V _F	2.0V	3.5V	1.95V	3.3V	Green
Maximum Reverse Voltage	V _{RM}	5V	5V	5V	5V	
Current Reduction Rate	ΔI _F	0.88mA/°C above 40°C	0.48mA/°C above 30°C	0.40mA/°C above 25°C	0.33mA/°C above 25°C	
Ambient Temperature Range		−25° ~ +50°C		−25° ~ +50°C		

Notes

- Specifications in () in table above denote simultanious illumination of Red and Green.
- LEDs are an integral part of the switch and are not available separately.
- If the source voltage exceeds the rated voltage, a ballast resistor is required. The resistor value can be calculated by using the formula shown here.
- The changes to bicolor LEDs do not affect any external dimensions of the switches.
- Contact the factory if further details are needed.



NP01 Part Numbers Effected by Bicolor LED Specification Changes

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NP0115AG03LCF-JB	NP0115AG03LCF-J01	NP0115AG03LCF-J02	NP0115AG03LCF-J03
NP0115HG03LCF-JB	NP0115HG03LCF-J01	NP0115HG03LCF-J02	NP0115HG03LCF-J03

Effective Date

Changes to Bicolor LEDs will be effective April 2015.

