

Change Notice

HB Series

Change of Super Bright LED Specifications for AT630F (Green) used in HB Pushbuttons & Indicators

Type of Change:

- Engineering Part Number
 Product Appearance


All models of HB Pushbuttons and Indicators with the super bright LED AT630F will have a change to the specifications. The change will effect all standard and custom products with a green LED for the HB Series.



HB Pushbutton

HB Indicator

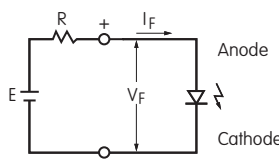
SUPER BRIGHT LED CODES & SPECIFICATIONS

Super Bright LEDs are Electrostatic Sensitive.		Color	Before Change	After Change
			6F Green	6F Green
Electrical specifications are determined at a basic temperature of 25°C. The lamp circuit is isolated and requires an external power source.	Maximum Forward Current	I_{FM}	30mA	30mA
	Typical Forward Current	I_F	20mA	20mA
	Forward Voltage	V_F	3.5V	3.3V
			($I_F = 20$)	($I_F = 20$)
	Maximum Reverse Voltage	V_{RM}	5V	7V
	Current Reduction Rate Above 25°C	ΔI_F	0.50mA/°C	0.40mA/°C
Ambient Temperature Range		-25°C ~ +50°C	-25°C ~ +50°C	

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.

Notes:

There are no changes to external dimensions for the LED. Contact factory if further details are needed.



$$R = \frac{E - V_F}{I_F}$$

Where: R = Resistor Value (Ohms)
 E = Source Voltage (V)
 V_F = Forward Voltage (V)
 I_F = Forward Current (A)

Effective Date

Changes to LEDs will be effective with January 2014 production.

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