Change Notice

KB, LB, YB & YB2 Series

Change of Super Bright LED Specifications for AT632F (Green) used in KB, LB, YB & YB2 Pushbuttons & KB, LB & YB Indicators

Type of Change:

☑ Engineering ☐ Part Number
☑ Product ☑ Appearance

All models of KB, LB, YB and YB2 Pushbuttons and KB, LB and YB Indicators with the super bright LED AT632F will have a change to the specifications. The change will effect all standard and custom products with a green LED for these series.

LB Pushbutton

YB Indicator

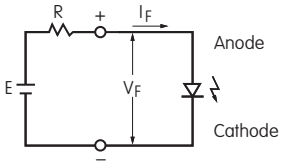
YB2 Pushbutton

SUPER BRIGHT LED CODES & SPECIFICATIONS

			Before Change	After Change
Super Bright LEDs are Electrostatic Sensitive.	ATTENTION ELECTROSTATIC SENSITIVE DEVICES	Color	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 (I_F = 20)	3.3V (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 August 2014 production.

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