

Change Notice

KB, LB, YB & YB2 Series

Change of Super Bright LED Specifications for AT625G (Blue) 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 AT625G will have a change to the specifications. The change will effect all standard and custom products with a blue LED for these series.



LB Pushbutton




YB Indicator



YB2 Pushbutton

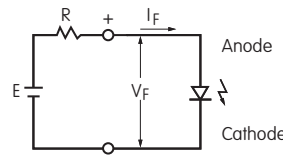
SUPER BRIGHT LED CODES & SPECIFICATIONS

<p>Super Bright LEDs are Electrostatic Sensitive.</p> <p>Electrical specifications are determined at a basic temperature of 25°C. The lamp circuit is isolated and requires an external power source.</p>		Color	Before Change 6G Blue	After Change 6G Blue
		Maximum Forward Current	I_{FM}	30mA
	Typical Forward Current	I_F	20mA	20mA
	Forward Voltage	V_F	3.6V	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.



<http://www.nkkswitches.com> • 1.877.2BUYNKK (228.9655)

7850 East Gelding Drive • Scottsdale, AZ 85260 • Telephone 480.991.0942 • Fax 480.998.1435