

Change Notice New LEDs

Type of Change:

- Engineering Part Number
 Product Appearance

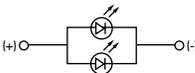


AT628 Bright LED



YB Illuminated Pushbuttons

The new LED specifications for YB Illuminated Series supersede all previous LED specifications. Changes affect all models in YB Illuminated Pushbuttons, both standard and custom switches.

LED Specifications							
Double Element LED 	From Current LED Specifications for AT628			To New LED Specifications for AT628			
	5C Red	5D Yellow	5F Green	5C Red	5D Yellow	5F Green	
Forward Peak Current	I_{FM}	40mA	40mA	40mA	40mA	40mA	40mA
Continuous Forward Current	I_F	26mA	26mA	26mA	26mA	26mA	26mA
Forward Voltage ($I_F = 16mA$)	V_F	1.9V	2.0V	2.2V	1.9V	2.0V	2.0V
Reverse Peak Voltage	V_{RM}	4V	4V	4V	4V	4V	4V
Current Reduction Rate Above 25°C	ΔI_F	0.50mA/°C			0.50mA/°C	0.50mA/°C	0.50mA/°C
Ambient Temperature Range		-25°C ~ +50°C			-25°C ~ +50°C		

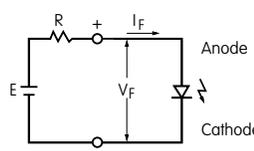
LED is an integral part of the switch and not available separately.

The LED circuit is independent of switch operation.

Electrical specifications are determined at a basic temperature of 25°C.

If the source voltage exceeds rated voltage, a ballast resistor is required.

The resistor value can be calculated by using the formula shown here.



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

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

Note: All three LEDs are new, despite no changes to specifications of Red and Yellow LEDs.

Availability

YB Series with new LED specifications will be available with December 2008 production.