Contact No. 153 EB & MB24 Pushbuttons, M Rockers

Change Notice New AT617F LEDs



AT617F LED

Type of Change:

- Engineering
- □ Part Number
- Product
- □ Appearance

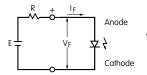


- The new AT617F (Green) LED uses lower power consumption than the previous model.
- The specifications for AT617F LED supersede all previous LED specifications.
- There is no change in size to the AT617F LED.

AT617 Green LED Specifications			
Single Element LED		Before Change	After Change
(+)O————— O (-)		F	F
		Green	Green
Forward Peak Current	I _{FM}	30mA	25mA
Continuous Forward Current	I _F	24mA	20mA
Forward Voltage	V _F	2.1V (I _F = 24)	2.2V (I _F = 20)
Reverse Peak Voltage	V_{RM}	5V	5V
Current Reduction Rate Above 25°C	$\Delta I_{\scriptscriptstyle F}$	0.40mA/°C	0.33mA/°C
Ambient Temperature Range		−15°C ~ +70° C	−15°C ~ +70° C

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.



Notes: 1. Confirm resistor value due to change in Forward Peak Current (I_{FM}) and Continuous Forward Current (I_F).

2. AT617F LED is used with AT212 Bezel (requires two LEDs). Series affected include EB Pushbuttons, MB24 Pushbuttons and M Rockers.

Availability

AT617F LED with new specifications will be available with December 2008 production.

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