

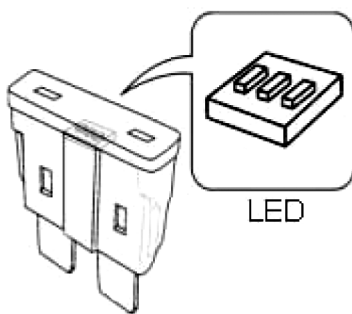
# Blade Fuse - Illuminated ATO



## Features:

- The photo fuse is designed for the automobile and electrical industry
- It has become the original equipment circuit protection standard for automobiles, trucks and low power system
- The newer blade type is designed to include an indicating LED, which will be lighted as soon as fuse blew
- Easy to find blown fuses in any location, quick to identify and fast to replace to save your precious time and man-power
- Long life 1,000 hours at least for LED life time
- Safety (prevent resin melting) low temperature
- Lower current under 5mA
- Colour coding : fuses are colour coded for easy ampere identification
- Materials : resin with zinc alloy termination

## Construction:



## Characteristics of Zinc Alloy:

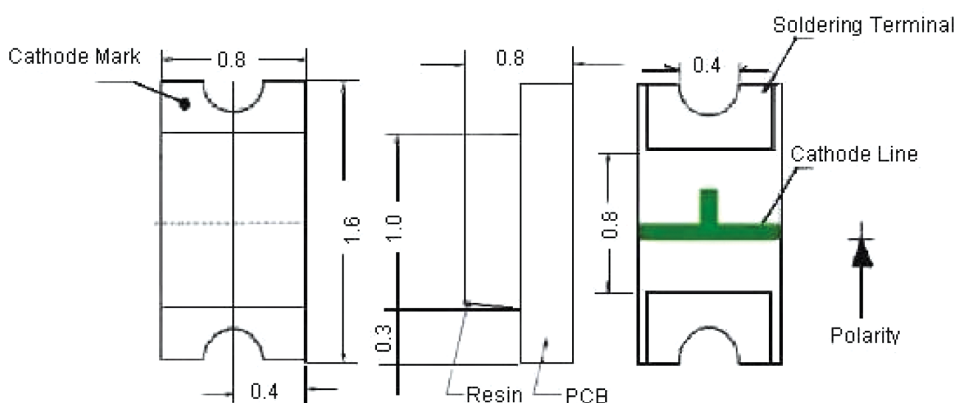
Termination : Zinc Alloy

# Blade Fuse - Illuminated ATO

## Characteristics of LED:

Voltage Rating : 12V DC, 24V DC and 32V DC

Life Time : Around 1,000 hours at 60 celsius. The resin won't be melted under 130 celsius



Dimensions : Millimetres

## Characteristics of Fuse

### Electrical Characteristics

Ampere Rating (%)	Current Rating (A)	Operating Time	
		Min.	Max.
110	3 to 40	100 Hours	-
135		0.75 Seconds	1,800 Seconds
200		0.15 Seconds	5 Seconds
350		0.08 Seconds	0.25 Seconds
600		-	0.15 Seconds

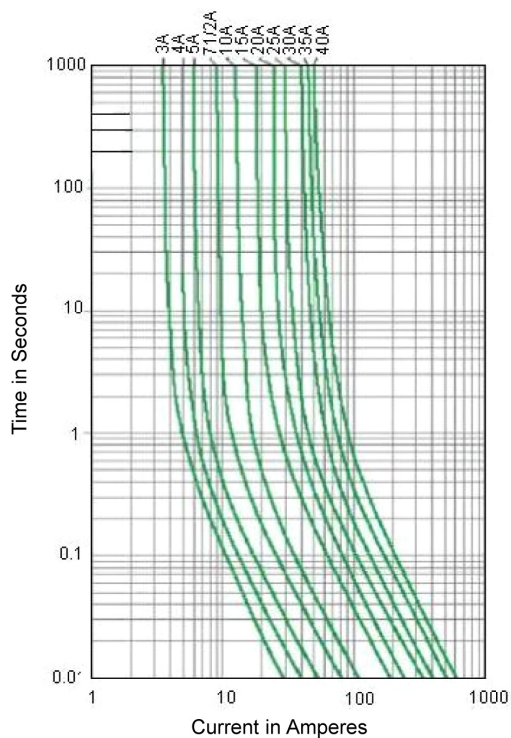
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## Colour Coding:

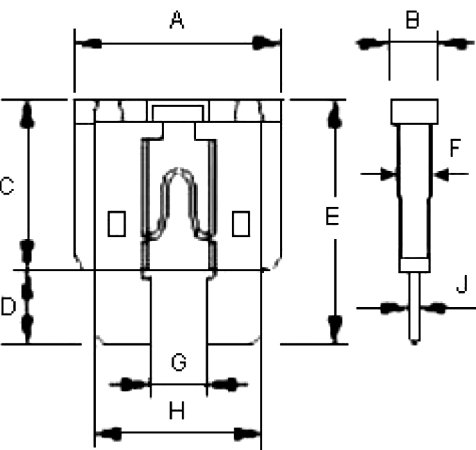
Body Colour Code	Ampere Rating (A)	Voltage Rating (V DC)	Normal Cold Resistance ( $\Omega$ )
Violet	3	32	0.031
Pink	4		0.023
Tan	5		0.018
Brown	7.5		0.011
Red	10		0.0077
Blue	15		0.0048
Yellow	20		0.0033
Natural	25		0.0025
Green	30		0.0018
Blue Green	35		0.0016
Amber	40		0.0014

**Remarks:** Measuring fuse zinc alloy resistance by MO-2002 series digital/milliohm meter.

## Average Time Current Curve



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A	18.87 to 19.3
B	4.99 to 5.25
C	12.54 (Max.)
D	6.17 to 6.67
E	18.41 to 19.05
F	3.59 to 3.8
G	3.9 to 4.13
H	14.35 to 14.61
J	0.61 to 0.69

Dimensions : Millimetres

## Characteristics of Resin:

Body : Plastic (130°C)

## Part Number Table

Description	Part Number
Fuse, Automotive, ATO, 5A	MCATP-L-E 5A
Fuse, Automotive, ATO, 7.5	MCATP-L-E 7.5A
Fuse, Automotive, ATO, 10A	MCATP-L-E 10A
Fuse, Automotive, ATO, 15A	MCATP-L-E 15A
Fuse, Automotive, ATO, 20A	MCATP-L-E 20A
Fuse, Automotive, ATO, 25A	MCATP-L-E 25A
Fuse, Automotive, ATO, 30A	MCATP-L-E 30A

