

Type JAG

Type JAG micro fuse is designed for circuit protection against excessive current in portable electronic equipment, electric circuit around battery, etc. because the demand for high capacity batteries is increasing. Wire material is adopted for fuse element, and the performance against rush current is increased in spite of compact design. Also, the ecology design of Type JAG is environmentally friendly because of complete lead-free.

FEATURES

1. Our original construction design has excellent fusing and cutting characteristics.
2. Especially, performance against rush current is excellent since wire material is used for fuse element.
3. Surface temperature rise is 75°C or less when applying rated current for fusing. This gives less influence to the peripheral units.
4. Resistance to soldering heat: Reflow or flow soldering 10 seconds at 260 °C
5. Our original terminal construction makes almost no occurrence of Tombstone phenomenon.
6. Small size of 3216 (3.2×1.6×1.6 mm)
7. Suitable for automatic mounting
8. Precise dimensions allows high-density mounting and symmetrical construction of terminals provide "Self-Alignment".
9. Complete lead-free

RATING

Item	Rating
Category Temperature Range	- 40 ~ +125°C
Rated Current	0.5-0.63-0.8-1.0-1.25-1.6-2.0-2.5-3.15-4.0A
Rated Voltage	32VDC
Voltage Drop	Refer to CATALOG NUMBERS AND RATING
Insulation Resistance (between terminals and case)	1000 MΩ or more
Fusing Characteristics	Fusing within 1 minute if the current is 200% of rated current.
Clearing Characteristics	Breaking voltage : 32 V
	Breaking current : 50 A

ORDERING INFORMATION

Type	Code	RV	Code	Rated current	Code	Rated current	Code	Package type	Code	Case size
JAG	3202	32V	501	0.5 A	162	1.6 A	NA	φ180 Reel	52	3.2×1.6
			631	0.63A	202	2.0 A				
			801	0.8 A	252	2.5 A				
			102	1.0 A	322	3.15A				
			132	1.25 A	402	4.0 A				

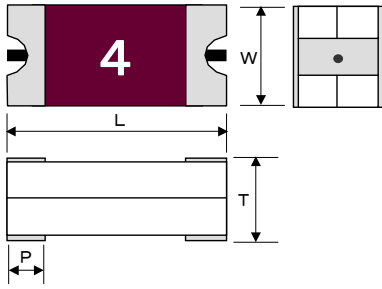
CATALOG NUMBERS AND RATING

November, 2010

Catalog number	Case size	Rated current A	Internal resistance mΩ (Typical)	Voltage drop mV (Max.)	Rated voltage VDC	Breaking current A
JAG 3202 501 □□52	3.2×1.6	0.5	310	280	32	50
JAG 3202 631 □□52	3.2×1.6	0.63	240	240		
JAG 3202 801 □□52	3.2×1.6	0.8	190	200		
JAG 3202 102 □□52	3.2×1.6	1.0	145	200		
JAG 3202 132 □□52	3.2×1.6	1.25	118	200		
JAG 3202 162 □□52	3.2×1.6	1.6	93	200		
JAG 3202 202 □□52	3.2×1.6	2.0	70	200		
JAG 3202 252 □□52	3.2×1.6	2.5	54	200		
JAG 3202 322 □□52	3.2×1.6	3.15	43	200		
JAG 3202 402 □□52	3.2×1.6	4.0	34	200		

For the taping type, the packing code "NA" will be entered in □□.
Catalog numbers are approved by UL and cUL. (File No.E170721)

DIMENSIONS



Main body : Glass epoxy

Terminal : Tin plating

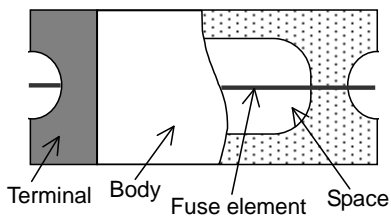
(mm)

Case size	Case code	L	W	T	P
3216	52	3.2 ±0.2	1.6 ±0.2	1.4 ±0.2	0.6 ±0.2

MARKING

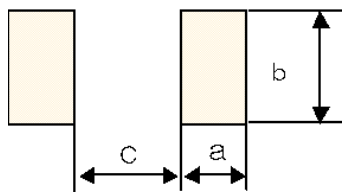
Code : Rated current	Code : Rated current
T : 0.50A	X : 1.60A
U : 0.63A	2 : 2.00A
V : 0.80A	Y : 2.50A
1 : 1.00A	3 : 3.15A
W : 1.25A	4 : 4.00A

CONSTRUCTION



Name	Material, standard, and treatment
Fuse element	Lead-free alloy
Space	—
Terminal	Tin plating
Body	Glass epoxy

RECOMMENDED PAD DIMENSIONS

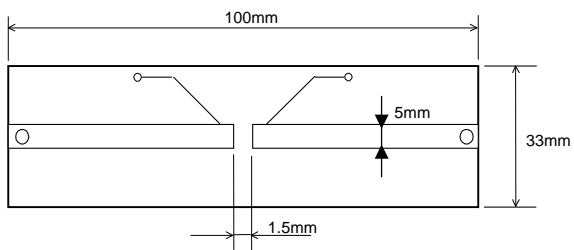


(mm)

	Size 3216
a	1.0
b	1.6
c	1.6

(Reflow)

STANDARD TEST BODY



Glass epoxy body on one side

Board thickness : 1.6 mm

Copper layer : 35µm

