●Features

1. 0603inch size is available and suitable for circuit protection of portable devices and terminals.

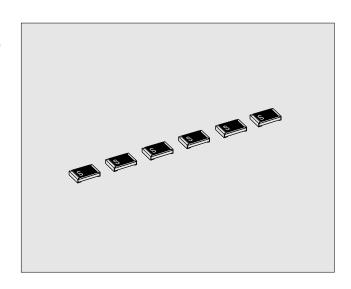
FSC/In-rush Withstand

- 2. High anti pulse performance.
- 3. Certified UL, c-UL.

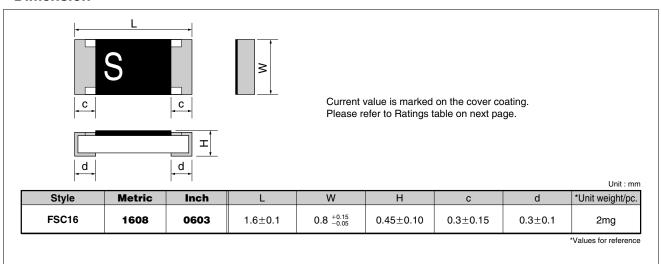
·File No.: E176847



- 4. Major application
 - •PC related equipment and peripherals (PC, Hard Drive, Printer etc.).
 - •Small portable devices (Mobile phone, PDA Battery Charger etc.).
 - •Digital Camera (Digital still camera).
 - •Game equipment.
 - •LCD monitors, LCD modules.
 - ·Battery pack.

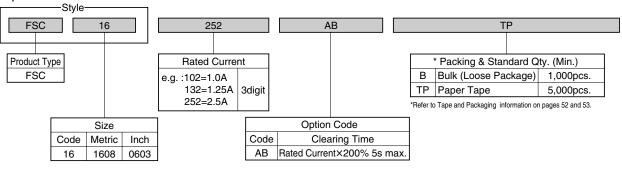


Dimension



●Part Number Description





●Ratings/Option Code : AB (Fast-Acting type)

Size		Style	Rated Current		Internal Resistance	Mark	Interrupting Rating	Electrical Characteristics		Category Temperature Range
Metric	Inch	Style	Code	Α	m ohm max.	iviark	interrupting hating	Electrical Characteristics		°C
1608	0603	FSC16	501	0.5	400	F	32Vd.c. 35A			
			631	0.63	300	I				
			751	0.75	210	Α				
			801	0.8	180	K			Opening time 4h Min. 5s Max. 0.2s Max.	−55 ~+125
			102	1.0	115	L		Rated Current Ope		
			132	1.25	90	М				
			152	1.5	70	Н		×100% 4h		
			162	1.6	60	Ν		×200% 5s		
			202	2.0	50	S		×300% 0.2		
			252	2.5	37	Т		7,000 /0 0.2		
			302	3.0	28	R				
			322	3.15	26	U				
			402	4.0	18	Χ				
			502	5.0	14	Υ				

Performance Characteristics

Description	Requirements	Test Methods			
Temperature rise on the surface	75°C max.	Ambient temperature : 10°C~30°C Carrying Current : Rated current			
Bend strength of the face plating	No visible damage	IEC 60127-4 Clause 8.3 1 mm/s, amount of bend : 3 mm			
Solderability	At least 95% of the terminal surface must be covered by new solder	IEC 60127-4 Clause 8.5 Be immersed into solder at 235°C for 2s.			
Resistance to soldering heat	No visible damage. Meet electrical requirement	IEC 60127-4 Clause 8.7 Be immersed into solder at 260°C for 10s			

Note. Please contact KAMAYA for special applications.

Recommended Derating for Rated Current

· Nominal Derating

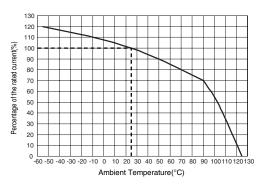
Nominal Derating ≤ 75% of Rated Current

· Temperature Derating

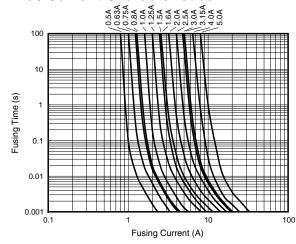
Please refer to the following graph regarding the current derating value for ambient temperature.

Ex.) If FSC16 102AB (Rated Current 1.0A) is used under ambient temperature 70°C, Kamaya recommends, less than the current value derated as below,

Rated Current : $1.0A \times (Nominal Derating : 75\% \times Temperature Derating : 80\%) = 0.6A$



Time / Current Characteristics



•Help Support of Fuse Selection

Please contact kamaya sales Dept, if you need to confirm In-rush Current endurance, Anti-pulse performance etc. We can provide Application Guide for FSC16 selection.

