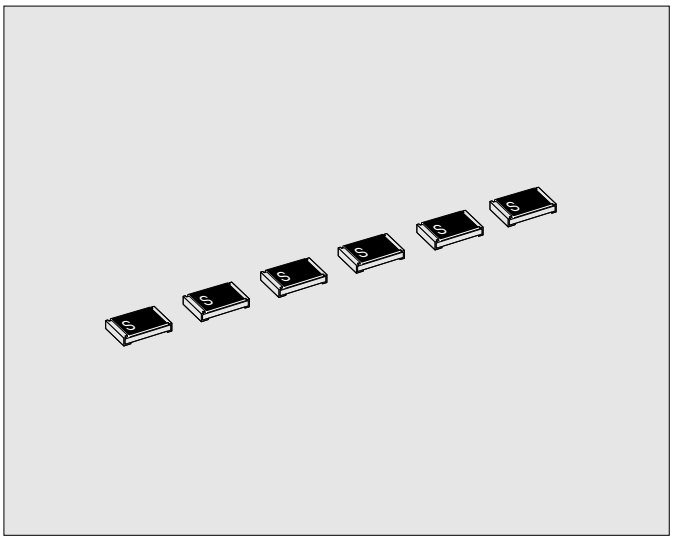
FSC/In-rush Withstand

●Features

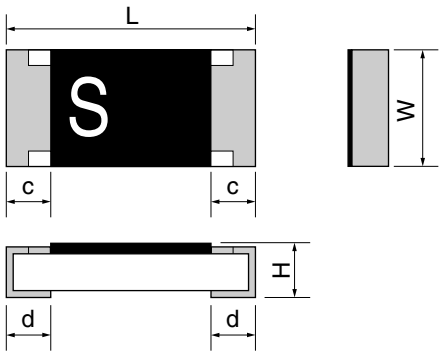
1. 0603inch size is available and suitable for circuit protection of portable devices and terminals.
2. High anti pulse performance.
3. Certified UL, c-UL.
   ·File No. : E176847

c UL us

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



Current value is marked on the cover coating.
Please refer to Ratings table on next page.

Unit : mm

Style	Metric	Inch	L	W	H	c	d	*Unit weight/pc.
FSC16	1608	0603	1.6±0.1	$0.8^{+0.15}_{-0.05}$	0.45±0.10	0.3±0.15	0.3±0.1	2mg

*Values for reference

●Part Number Description

Example

Style: FSC | 16

Product Type
FSC

Size		
Code	Metric	Inch
16	1608	0603

252

Rated Current	
e.g. :102=1.0A 132=1.25A 252=2.5A	3digit

AB

Option Code	
Code	Clearing Time
AB	Rated Current×200% 5s max.

TP

* Packing & Standard Qty. (Min.)		
B	Bulk (Loose Package)	1,000pcs.
TP	Paper Tape	5,000pcs.

*Refer to Tape and Packaging information on pages 52 and 53.

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

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

●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 1mm/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.

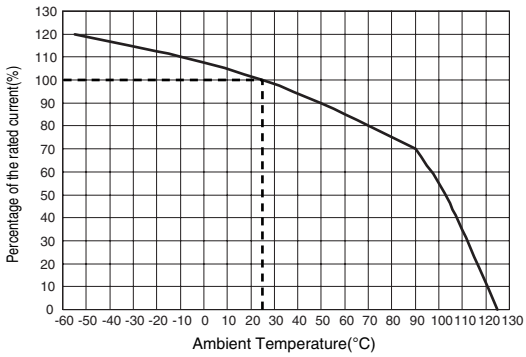
●Recommended Derating for Rated Current

- Nominal Derating

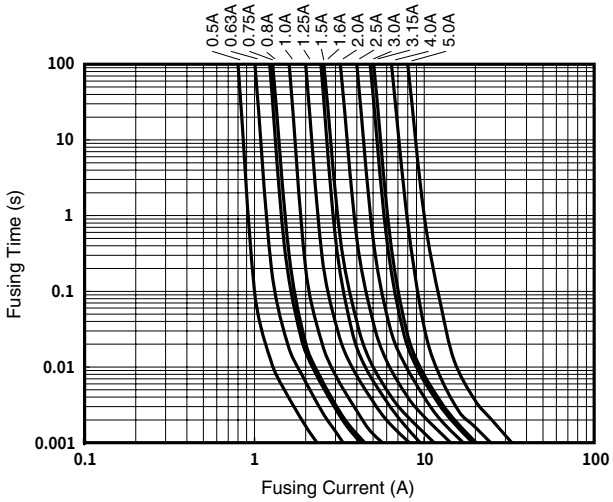
  Nominal Derating ≤ 75% of Rated Current
- Temperature Derating

  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× (Nominal Derating : 75%×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.