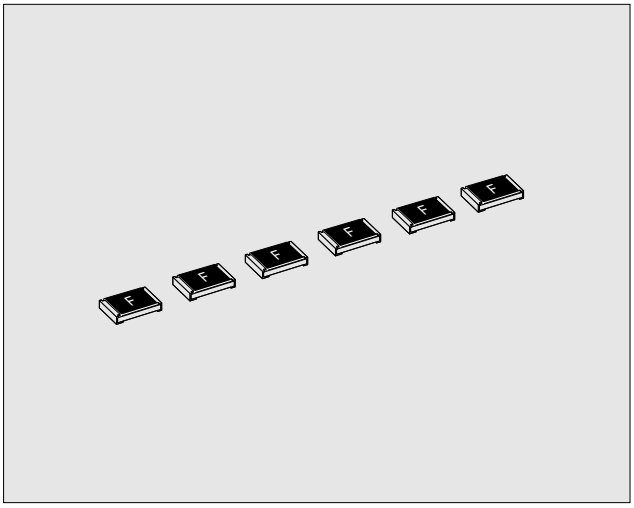
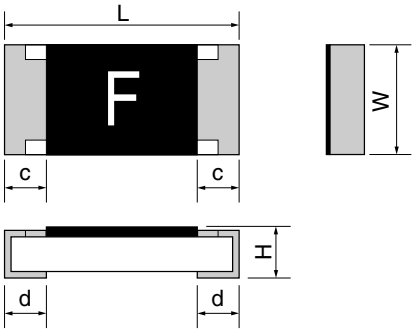
FMC16 Option Code : AB/Low Ohm & Fast Acting

●Features

1. Suitable for over-current protection of the circuit of miniature portable equipment.
2. Low internal resistance compared with FCC/FHC16 AB series for low power consumption and voltage dropping.
3. Pb*1, Halogen*2 and Antimony*3 free product
   *1 Pb≤1000ppm
   *2 Cl or Br≤900ppm, Cl+Br≤1500ppm
   *3 Sb_2O_3 ≤900ppm
4. Certified UL, c-UL.
   ·File No. : E176847
5. 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.
FMC16	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: FMC | 16 | 252 | AB | TP

Product Type
FMC

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

* 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.

Size		
Code	Metric	Inch
16	1608	0603

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

●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	FMC16	501	0.5	260	F	32Vd.c. 35A	Rated Current / Opening time ×100% 4h Min. ×200% 5s Max. ×300% 0.2s Max.	−55～+125
			751	0.75	140	A			
			102	1.0	110	L			
			132	1.25	80	M			
			152	1.5	65	H			
			202	2.0	45	S			
			252	2.5	32	T			
			302	3.0	26	R			
			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

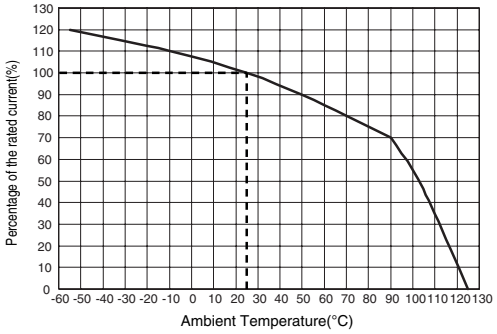
- Nominal Derating

  Nominal Derating ≦ 75% of Rated Current
- Temperature Derating

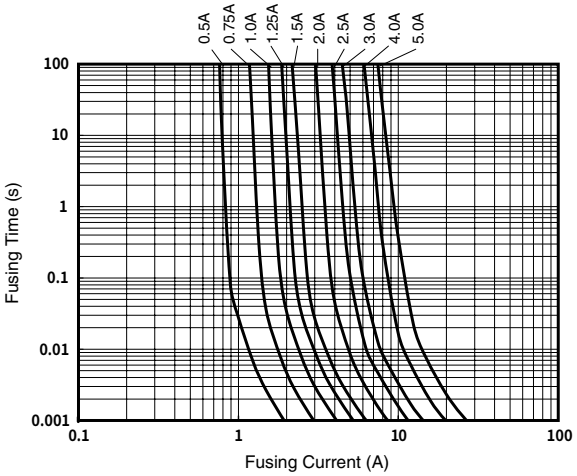
  Please refer to the following graph regarding the current derating value for ambient temperature.

Ex.) If FMC16 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 FMC16 selection.