

FMC10 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/FHC10AB Series.
 - Ex) FMC10 501AB 190m typ

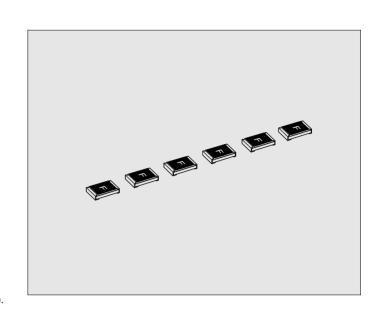
FCC10 501AB 310m typ

- 3. Pb*1, Halogen*2 and Antimony*3 free product
 - *1 Pb≤1000ppm
 - *2 Cl or Br \leq 900ppm, Cl+Br \leq 1500ppm
 - *3 Sb2O3≤900ppm
- 4. Certified UL, c-UL.

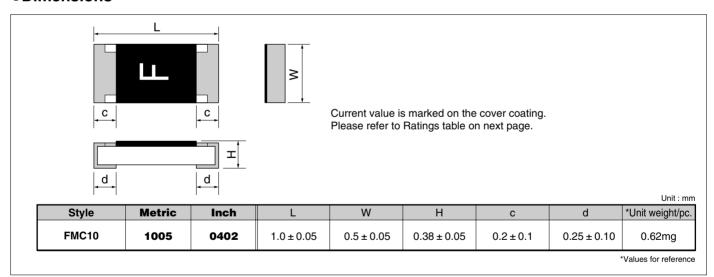
·File No.: E176847



- 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.

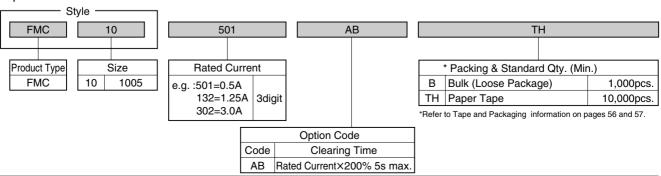


Dimensions



Part Number Description

Example





FMC10 Option Code: AB

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

Size		Style	Rated Current		Internal Resistance	Mark	Interrupting Rating	Electrical Characteristics		Working Temperature Range
Metric	Inch	Style	Code	Α	m ohm max.	IVIAIK	interrupting hatting	Electrical C	naraciensiics	°C
1005	0402	FMC10	501	0.5	240	F	- 24Vd.c. 35A			
			751	0.75	140	Α				
			102	1.0	95	L		Rated Current	Rated Current Opening time ×100% 4h Min.	−55∼+125
			132	1.25	73	М		×100%		
			152	1.5	60	Н		×200%	5s Max.	
			202	2.0	41	S		×300% 0.2s Max.		
			252	2.5	32	Т			0.2s Max.	
			302	3.0	25	R				

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

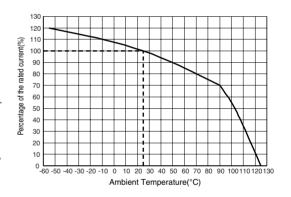
Nominal Derating ≤ 75% of Rated Current

· Temperature Derating

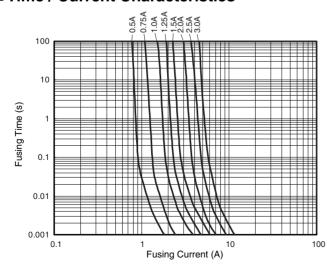
Please refer to the following graph regarding the current derating value for ambient temperature.

Ex.) If FMC10 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 FMC10 selection.

