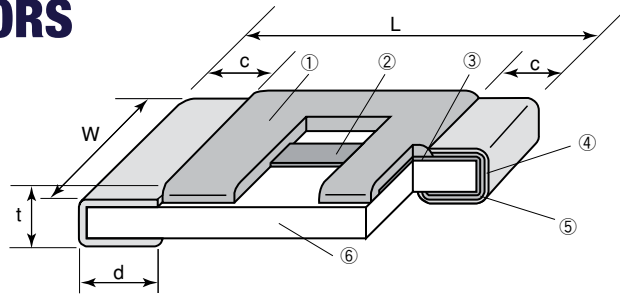


CIRCUIT PROTECTORS

0603 CURRENT FUSE ANTI PULSE TF16AT



STRUCTURE

- 1 Protective coating
- 2 Fuse element
- 3 Inner electrode
- 4 Sn plating
- 5 Cu/Ni plating
- 6 Ceramic substrate

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
TF 16A T	Black	White, 1 letter (see below)

All these products have Pb-free terminations and meet EU-RoHS and China-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

TF	16A	T	1.00	T	TD
PRODUCT CODE	STYLE 16A: 0603	FUSING CHARACTERISTICS T: Anti-pulse	RATED CURRENT Unit: A	TERMINATION SURFACE MATERIAL T: Sn	TAPING* TD, BK TD: 5,000 pcs/reel *Please see "PACKAGING"

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

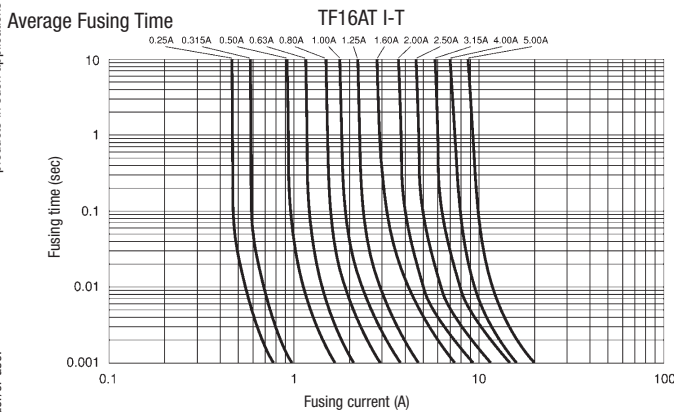
FEATURES

- Small and light chip current fuse for the secondary circuit
- Excellent in anti-pulse characteristics
- Special manufacturing process for stable fusing characteristics
- Low power consumption and less voltage drop due to low internal resistance
- Suitable for over-current protection in small electronic devices
- Ideal for use in various portable equipment (notebook PC's, HDD's, CD-ROM's, cell-phones, camcorders, digital cameras, PDP's, battery packs etc.)
- Suitable for reflow and wave soldering
- Awarded approvals: UL 248.14 File No. E131375, c-UL (CSA) C22.2 No. 248.14 File No. E131375

DIMENSIONS (mm)

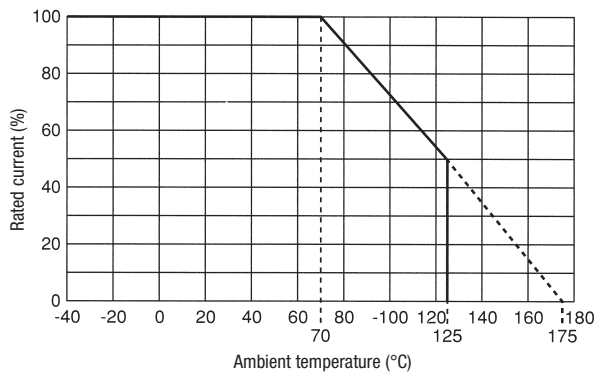
SIZE	TYPE	L	W	c	d	t
0603	TF16AT	1.6 ± 0.1	0.8 ± 0.08	0.3 ± 0.1	0.3 ± 0.1	0.45 ± 0.05

FUSING CHARACTERISTICS



RATED CURRENT DERATING

Normal derating of this product should be 75% max as standard.



RATING

SIZE	TYPE	MARKING	RATED CURRENT*	FUSING TIME	INTERNAL RESISTANCE (MAX.)	RATED VOLTAGE	RATED AMBIENT TEMPERATURE	OPERATING TEMPERATURE RANGE
0603	TF 16A T 0.25	C	0.25 A	Open within 5 sec. at 200% rated current. Refer to the graph of fusing characteristics.	498 mΩ	32 V	+70°C	-55°C...+125°C
	TF 16A T 0.315	D	0.315 A		384 mΩ			
	TF 16A T 0.50	F	0.50 A		198 mΩ			
	TF 16A T 0.63	I	0.63 A		143 mΩ			
	TF 16A T 0.80	K	0.80 A		120 mΩ			
	TF 16A T 1.00	L	1.00 A		94 mΩ			
	TF 16A T 1.25	M	1.25 A		73 mΩ			
	TF 16A T 1.60	N	1.60 A		59 mΩ			
	TF 16A T 2.00	S	2.00 A		42 mΩ			
	TF 16A T 2.50	T	2.50 A		32 mΩ			
	TF 16A T 3.15	U	3.15 A		24 mΩ			
TF 16A T 4.00	X	4.00 A	17 mΩ					
TF 16A T 5.00	Y	5.00 A	14 mΩ					

* Rated current needs to be derated if part is used at an ambient temperature of +70°C or above. Please refer to above derating coefficient curve. 32V max. open circuit voltage is the DC voltage that TF16A can withstand after fusing.

Please contact KOA for special precautions before you order and use this series.