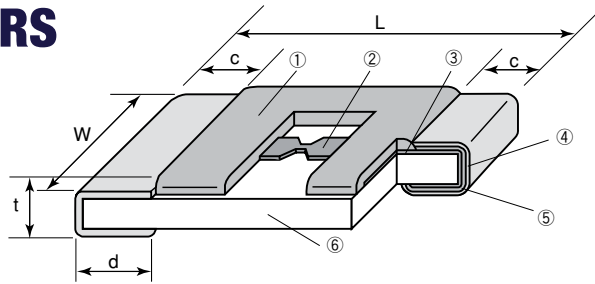


CIRCUIT PROTECTORS

**0603 CURRENT FUSE
NORMAL BLOW
TF16SN**



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 16S N	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	16S	N	1.00	T	TD
PRODUCT CODE	STYLE 16S: 0603	FUSING CHARACTERISTICS N: Normal blow	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

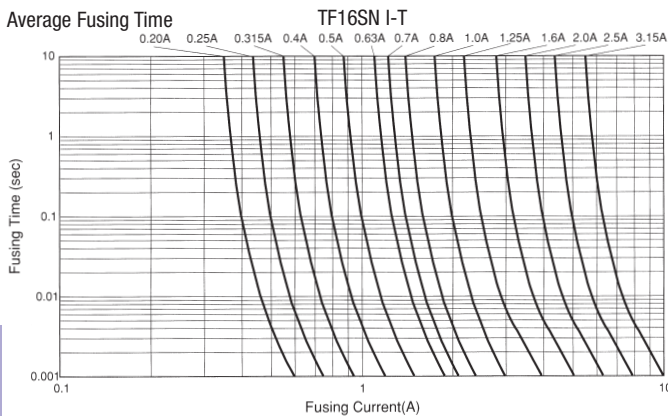
FEATURES

- Small and light chip current fuse for the secondary circuit
- Special manufacturing process for mechanical strength and 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.)
- Rated ambient temperature: +70°C
- Operating temperature range: -40°C...+125°C
- 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

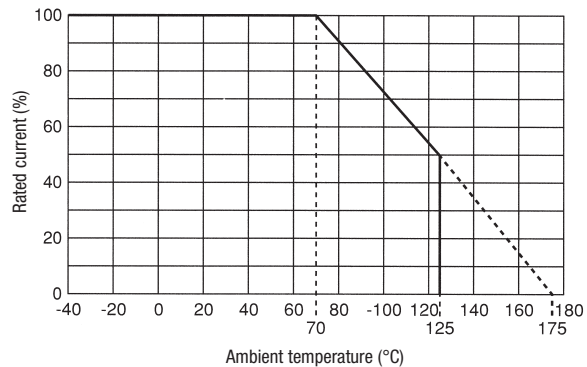
DIMENSIONS (mm)

SIZE	TYPE	L	W	c	d	t
0603	TF16SN	1.6 ± 0.2	0.8 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	0.4 ^{+0.1} / _{-0.05}

FUSING CHARACTERISTICS



RATED CURRENT DERATING



RATING

SIZE	TYPE	MARKING	RATED CURRENT*	FUSING TIME	INTERNAL RESISTANCE (MAX.)	RATED VOLTAGE	RATED AMBIENT TEMPERATURE	OPERATING TEMPERATURE RANGE
0603	TF 16S N 0.20	A	0.20 A	Open within 1 sec. at 200% rated current. Refer to the graph of fusing characteristics.	1500 mΩ	32 V	+70°C	-40°C...+125°C
	TF 16S N 0.25	C	0.25 A		960 mΩ			
	TF 16S N 0.315	D	0.315 A		600 mΩ			
	TF 16S N 0.40	H	0.40 A		440 mΩ			
	TF 16S N 0.50	F	0.50 A		300 mΩ			
	TF 16S N 0.63	I	0.63 A		190 mΩ			
	TF 16S N 0.70	J	0.70 A		170 mΩ			
	TF 16S N 0.80	K	0.80 A		135 mΩ			
	TF 16S N 1.00	L	1.00 A		103 mΩ			
	TF 16S N 1.25	M	1.25 A		78 mΩ			
	TF 16S N 1.60	N	1.60 A		58 mΩ			
	TF 16S N 2.00	S	2.00 A		47 mΩ			
TF 16S N 2.50	T	2.50 A	38 mΩ					
TF 16S N 3.15	U	3.15 A	28 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 TF16SN can withstand after fusing.

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

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

CIRCUIT PROTECTORS