Type TSD
Time-Delay Glass Tube Fuse
5 x 20 mm

www.optifuse.com (619) 593-5050

Agency Standards and Listings:

CCC	100mA~6.3A
CQC	8A,10A,12.5A,16A
SEMKO	125mA~10A,12.5A
VDE	125mA~10A,12.5A
BSI	125mA~6.3A
IMQ	125mA~6.3A
UR/C-UR	125mA~15A
CSA	125mA~6.3A
PSE	1A~15A
KC	125mA~6.3A
CE	100mA~20A

IEC: 60127

Interrupt Ratings:
35A or 10 In 250V AC Whichever is Greater

Time Characteristics

Rated Current	210%	275%		400%		1000%	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX
100mA	2 min	200 ms	10 sec	40 ms	3 sec	10 ms	300 ms
125mA ~10A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms
> 10A	5 min	600 ms	15 sec	150 ms	5 sec	20 ms	400 ms

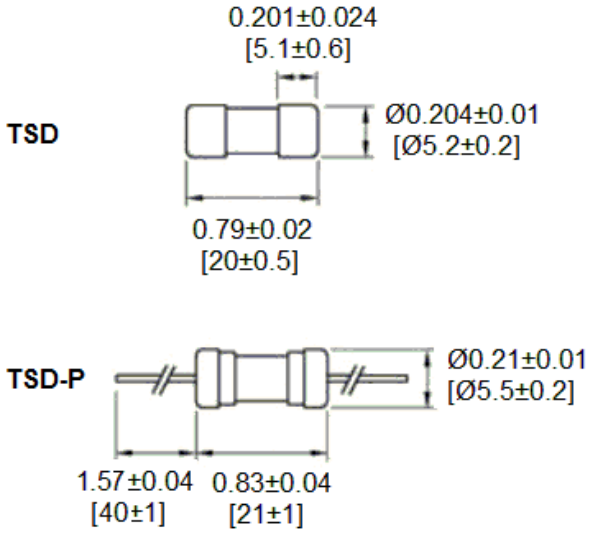
Operating Temperature:
-55ºC to +125ºC

Material:
Glass Body/Nickel Plated Brass Caps
Lead Wire Ø0.65mm - < 10A
Ø0.8mm - 10A ~ 15A
Ø1.0mm - > 15A

Packaging:
TSD 1000 pcs; TSD-P 500 pcs per box.

Cartridge Part number	Axial Lead Part number	Ampere Rating	Voltage Rating	I^2t A^2 Sec
TSD-100mA	TSD-P-100mA	100mA	250V	0.0223
TSD-125mA	TSD-P-125mA	125mA		0.0417
TSD-160mA	TSD-P-160mA	160mA		0.0767
TSD-200mA	TSD-P-200mA	200mA		0.1628
TSD-250mA	TSD-P-250mA	250mA		0.3808
TSD-315mA	TSD-P-315mA	315mA		0.4833
TSD-400mA	TSD-P-400mA	400mA		0.7968
TSD-500mA	TSD-P-500mA	500mA		1.362
TSD-630mA	TSD-P-630mA	630mA		1.583
TSD-800mA	TSD-P-800mA	800mA		3.004
TSD-1A	TSD-P-1A	1A		5.309
TSD-1.25A	TSD-P-1.25A	1.25A		3.879
TSD-1.6A	TSD-P-1.6A	1.6A		6.890
TSD-2A	TSD-P-2A	2A		12.33
TSD-2.5A	TSD-P-2.5A	2.5A		20.63
TSD-3.15A	TSD-P-3.15A	3.15A		36.91
TSD-4A	TSD-P-4A	4A		70.56
TSD-5A	TSD-P-5A	5A		108.7
TSD-6.3A	TSD-P-6.3A	6.3A		187.8
TSD-8A	TSD-P-8A	8A		314.9
TSD-10A	TSD-P-10A	10A		583.4
TSD-12A	TSD-P-12A	12A		958.9
TSD-12.5A	TSD-P-12.5A	12.5A		1045
TSD-15A	TSD-P-15A	15A		1668
TSD-16A	TSD-P-16A	16A		2231
TSD-20A	TSD-P-20A	20A		3010

Mechanical Dimensions: Inches [mm]



Note: All specifications subject to change without notice.

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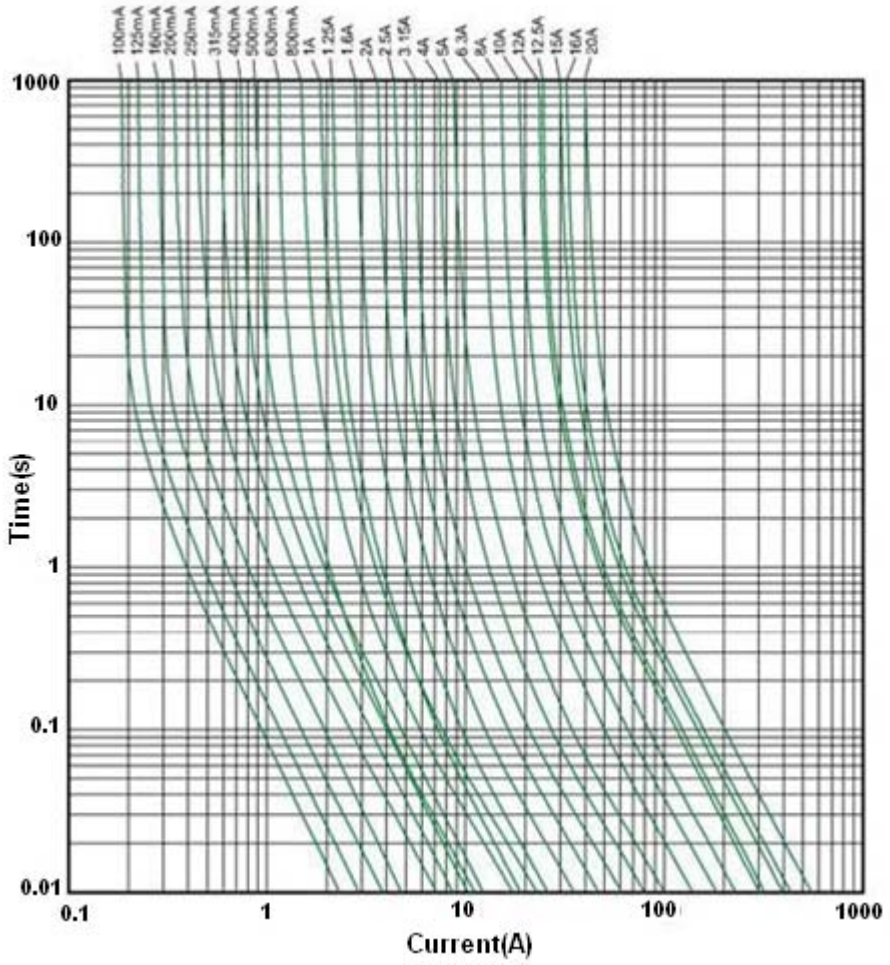
Part Number TSD

TIME CURRENT CURVES



Warning:	-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame. -Glass Fuse device are intended for occasional overcurrent protection. Application for repeated overcurrent condition and/or prolonged trip are not anticipated. -Avoid contact of Glass Fuse device with chemical solvent. Prolonged contact will damage the device performance.