

# Type TCC / TCC-P Time Lag Ceramic Fuse 5 x 20 mm



www.optifuse.com (619) 593-5050

**Part number:**  
TCC-XXA or  
TCC-P-XXA

Where XX is Amperage  
P is for Pigtail version

**Agency Standards and Listings:**



**Approvals:**

UL Listed 100mA-15A  
PSE 5.1A-15A (250V)  
KTL 1.5A-20A

**Time Characteristic**

Rated Current	1 In		2 In	
	MIN	MAX	MIN	MAX
100mA~20A	4 Hrs	1 Hr	2 Sec	120 Sec

**Interrupt Ratings:**

100mA~15A: 10,000 amperes at 125VAC  
100mA~1A: 35 amperes at 250VAC  
1.25A~3.5A: 100 amperes at 250VAC  
3.75A~10A: 200 amperes at 250VAC  
10.1A~15A: 750 amperes at 250VAC  
15.1A~20A: 200 amperes at 250VAC

**Operating Temperature:**

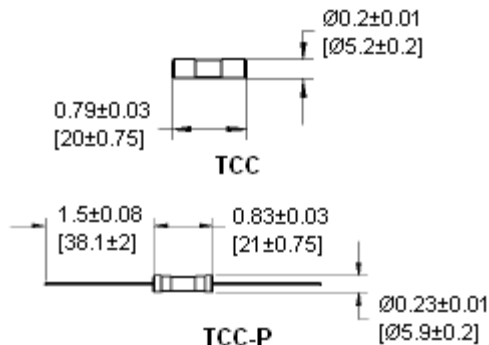
-55°C to +125°C

**Physical Specifications:**

**Materials:**

Ceramic body / Nickel Plated Brass Caps  
Lead Wire:  
Diameter Ø0.8 mm 14A and less.  
Diameter Ø1.0 mm for rating above 15A to 19A.  
Diameter Ø1.2 mm for rating above 20A.

**Mechanical Dimensions:**



Cartridge Part Number.	Axial Lead Part Number	Ampere Rating (In)	Voltage Rating (V)	Nominal Resistance Cold Ohms	Nominal Melting I <sup>2</sup> t A <sup>2</sup> Sec
TCC-100mA	TCC-P-100mA	100mA	250V	16.860	0.0400
TCC-125mA	TCC-P-125mA	125mA		7.8250	0.0703
TCC-150mA	TCC-P-150mA	150mA		5.6874	0.0832
TCC-160mA	TCC-P-160mA	160mA		4.5000	0.0896
TCC-175mA	TCC-P-175mA	175mA		3.9200	0.1148
TCC-200mA	TCC-P-200mA	200mA		3.5400	0.1400
TCC-250mA	TCC-P-250mA	250mA		2.0475	0.2180
TCC-300mA	TCC-P-300mA	300mA		1.8920	0.2700
TCC-350mA	TCC-P-350mA	350mA		1.2320	0.2900
TCC-400mA	TCC-P-400mA	400mA		0.9350	0.3200
TCC-500mA	TCC-P-500mA	500mA		0.6430	0.3800
TCC-600mA	TCC-P-600mA	600mA		0.4620	0.4300
TCC-700mA	TCC-P-700mA	700mA		0.3200	0.5400
TCC-800mA	TCC-P-800mA	800mA		0.2267	0.6400
TCC-1A	TCC-P-1A	1A		0.1970	1.1520
TCC-1.25A	TCC-P-1.25A	1.25A		0.1285	2.3250
TCC-1.5A	TCC-P-1.5A	1.5A		0.0890	4.4384
TCC-1.6A	TCC-P-1.6A	1.6A		0.0852	5.2838
TCC-2A	TCC-P-2A	2A		0.0585	10.656
TCC-2.5A	TCC-P-2.5A	2.5A		0.0872	5.1183
TCC-3A	TCC-P-3A	3A	0.0615	9.8370	
TCC-3.15A	TCC-P-3.15A	3.15A	0.0607	12.145	
TCC-4A	TCC-P-4A	4A	0.0410	24.023	
TCC-5A	TCC-P-5A	5A	0.0344	35.087	
TCC-6A	TCC-P-6A	6A	0.0231	48.413	
TCC-6.3A	TCC-P-6.3A	6.3A	0.0221	52.411	
TCC-7A	TCC-P-7A	7A	0.0117	61.740	
TCC-8A	TCC-P-8A	8A	0.0104	75.422	
TCC-10A	TCC-P-10A	10A	0.0074	174.02	
TCC-12A	TCC-P-12A	12A	0.0057	274.65	
TCC-15A	TCC-P-15A	15A	0.0041	534.24	
TCC-20A	TCC-P-20A	20A	0.0028	959.40	

\* Please contact Optifuse

**Packaging :**

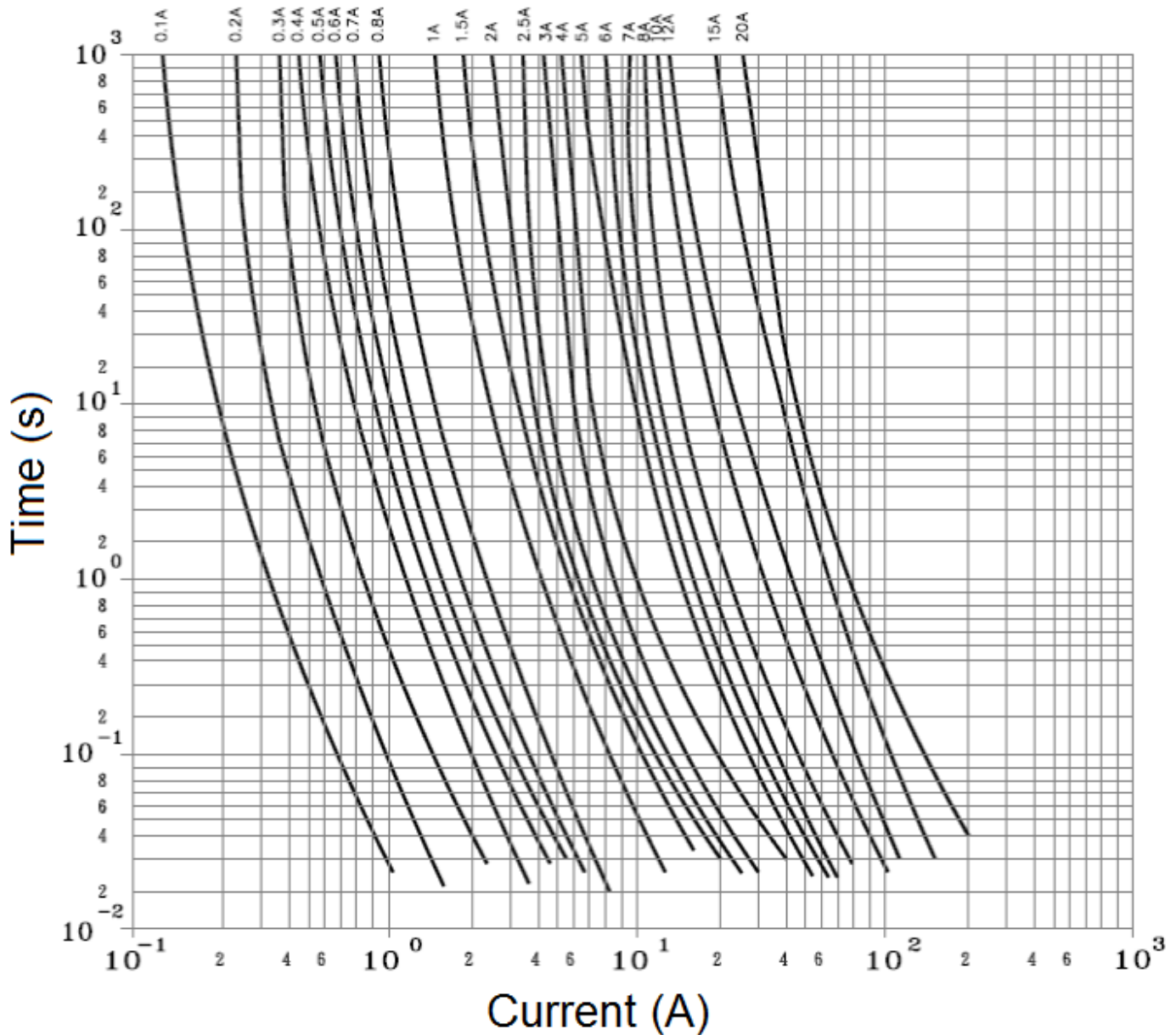
1. In Bulk : TCC – 1,000 pcs : TCC-P – 500 pcs per box.
2. On Axial Tape & Reel: 1,000 pcs per reel.
3. Tape & Reel specification: Per EIA-296-E & IEC 286-1 @ 10mm Pitch and 56.5mm inside Tape spacing.

**Type TCC / TCC-P**  
**Time Lag Ceramic Fuse**  
**5 x 20 mm**



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**Part Number TCC/TCC-P**  
**Time Current Curve**



**Warning:**



-Operation beyond the specified maximum ratings or improper use may result in damage and possible electrical arcing and/or flame.

-Avoid contact of fuse with chemical solvent. Prolonged contact may damage the device performance.