

# Quick Fuse Selection Guide

A quick reference guide to selecting fuses for electronic applications

## Surface Mount Fuses



Surface Mount Type	Series Name <sup>1</sup>	Size <sup>2</sup>	Time Lag	Fast Acting	Very Fast Acting	Device Range <sup>3</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>3</sup> (Volts)	Interrupting Rating at Max. Voltage Rating <sup>3</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>3</sup>					Halogen Free	RoHS Compliant	Lead Free	TUV	VDE	CQC	AECQ
										UL	UR	CSA	PSE	UMF							
Ceramic Chip	<a href="#">407</a>	1206	•	-	-	1 - 8	63/32/24	50/60	-55°C to +150°C	-	•	-	-	-	•	•	•	-	-	-	-
	<a href="#">407A</a>	1206	•	-	-	1 - 8	63/32/24	50/60	-55°C to +150°C	-	•	-	-	-	•	•	•	-	-	-	-
	<a href="#">408</a>	0603	•	-	-	1 - 7	32	50	-55°C to +150°C	-	•	-	-	-	•	•	•	-	-	-	-
	<a href="#">437</a>	1206	-	•	-	0.25 - 8	125/63/35	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">437A</a>	1206	-	•	-	0.250 - 8	125/63/45/32	50/100	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	•
	<a href="#">438</a>	0603	-	•	-	0.25 - 6	63/32/24	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">438A</a>	0603	-	•	-	0.25 -6	63/48/32/24	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	•
	<a href="#">440</a>	1206	-	•	-	0.25 - 8	32/125/63/50	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">440A</a>	1206	-	•	-	0.5 - 8	63	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	•
	<a href="#">441</a>	0603	-	•	-	2 - 6	32	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">441A</a>	0603	-	•	-	2 - 6	32	50	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	•
	<a href="#">501</a>	1206	-	•	-	10, 12, 15, 20	32	150	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">501A</a>	1206	-	•	-	10, 12, 15, 20	32	150	-55°C to +150°C	-	•	•	-	-	•	•	•	-	-	-	•
<a href="#">806</a>	1206	•	-	-	20, 25, 30, 40	24/36	250/200/300	-55°C to +150°C	-	•	-	-	-	•	•	•	-	-	-	-	
Thin Film	<a href="#">422</a>	2410	-	•	-	0.750 - 5	32/125/250/86	300/100/50/10,000	-55°C to +125°C	-	•	-	•	-	•	•	•	-	-	-	-
	<a href="#">422A</a>	2410	-	•	-	0.750 - 5	32/125/250/86	300/100/50/10,000	-55°C to +125°C	-	•	-	•	-	•	•	•	-	-	-	•
	<a href="#">435</a>	0402	-	-	•	0.25 - 5	32	50	-55°C to +90°C	-	•	•	-	-	•	•	•	-	-	-	-
	<a href="#">466</a>	1206	-	-	•	0.125 - 5	125/63/32	50	-55°C to +90°C	-	•	•	-	-	•	•	•	•	-	-	-
	<a href="#">467</a>	0603	-	-	•	0.25 - 5	32	35 - 50	-55°C to +90°C	-	•	•	-	-	•	•	•	•	-	-	-
	<a href="#">468</a>	1206	•	-	-	0.5 - 3	63/32	35 - 50	-55°C to +90°C	-	•	•	-	-	•	•	•	•	-	-	-
	<a href="#">470</a>	1206	-	•	-	0.5 - 2	125/32	50/300	-55°C to +125°C	•	-	-	-	-	•	•	•	-	-	-	-
	<a href="#">483</a>	1206	-	•	-	0.375 - 15	75/65/32	50	-55°C to +125°C	-	•	-	-	-	•	•	•	-	-	-	-
	<a href="#">483A</a>	1206	-	•	-	0.750 - 2	75	50	-55°C to +125°C	-	•	-	-	-	•	•	•	-	-	-	•
	<a href="#">494</a>	0603	-	•	-	0.25 - 5	32	35 - 50	-55°C to +90°C	-	•	•	-	-	•	•	•	-	-	-	-
<a href="#">823A</a>	20 x 5 mm	•	-	-	1 - 2	1000	100	-40°C to +125°C	-	•	-	-	-	•	•	•	-	-	-	•	
Nano <sup>2®</sup> Fuse	<a href="#">443</a>	4012	•	-	-	0.5 - 5	250	50	-55°C to +125°C	-	•	-	•	-	•	•	-	•	-	-	-
	<a href="#">448</a>	2410	-	-	•	0.062 - 15	125/85	35 - 50	-55°C to +125°C	-	•	•	•	-	•	•	•	-	-	-	-
	<a href="#">449</a>	2410	•	-	-	0.375 - 5	125	50	-55°C to +125°C	-	•	•	•	-	•	•	•	-	-	-	-
	<a href="#">451 / 453</a>	2410	-	-	•	0.062 - 20	125/65	35 - 50	-55°C to +125°C	•	•	•	•	-	•	•	-	•	-	-	-
	<a href="#">452 / 454</a>	2410	•	-	-	0.375 - 12	125/75	50	-55°C to +125°C	-	•	•	•	-	•	•	-	•	-	-	-
	<a href="#">456</a>	4012	-	-	•	20, 25, 30, 40	125/72	100 - 180	-55°C to +125°C	-	•	•	•	-	•	•	-	•	-	-	-
	<a href="#">456SD/E</a>	4818	-	•	-	40, 50, 60	250/80	150A @ 250VAC 600A @ 80VDC	-55°C to +125°C	-	•	•	-	-	•	•	-	-	-	-	-
	<a href="#">458</a>	1206	-	•	-	1.0 - 10	75/63	50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
	<a href="#">462</a>	4118	•	-	-	0.500 - 5	250	100 - 150	-40°C to +85°C	•	•	-	•	•	•	•	-	-	•	•	-
	<a href="#">464</a>	4818	-	•	-	0.5 - 6.3	250	100	-55°C to +125°C	-	-	-	•	•	•	•	-	-	-	-	-
	<a href="#">465</a>	4818	•	-	-	1 - 6.3	250	100	-55°C to +125°C	-	-	-	•	•	•	•	-	-	-	-	-
	<a href="#">476</a>	2410	-	•	-	1 - 15	250 VAC up to 5 125 VAC for 6.3 to 15	100 @ 250 VAC 100 @ 125 VAC	-55°C to +125°C	-	•	•	•	-	•	•	-	-	-	-	-
<a href="#">881</a>	12.5 x 10 mm	-	•	-	60 - 125	75/100	1500 @ 75VDC 1000 @ 100VDC	-55°C to +100°C	-	•	•	-	-	•	•	-	-	-	-	-	





(1) Detailed information about product series listed here can be found on our website.

(2) Size for these surface mount items refers to common industry length and width dimensions of the device surface area. Example: 0402 = .04" x .02"






(3) In some cases for these categories, the ratings, agency approvals, and specifications vary by part number and are presented here as ranges representing the whole series.

Please refer to product data on [Littelfuse.com](https://www.littelfuse.com) and in our data sheets for detailed information by part number.

## Surface Mount Fuses (continued)

<div><div> 202</div><div> 154</div><div> 885</div><div> 459</div></div>																					
Surface Mount Type	Series Name <sup>1</sup>	Size <sup>2</sup>	Time Lag	Fast Acting	Very Fast Acting	Device Range <sup>3</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>3</sup> (Volts)	Interrupting Rating at Max. Voltage Rating <sup>3</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>3</sup>					Halogen Free	RoHS Compliant	Lead Free	TUV	VDE	CQC	AECQ
										UL	UR	CSA	PSE	UMF							
Nano <sup>®</sup> Fuse	885	10.86 x 4.78 mm	•	-	-	1 - 5	500	100 @ 500 VDC 1500 @ 350 VDC	-40°C to +105°C	-	•	•	-	-	•	•	•	•	-	-	-
	415	15 x 5 mm	•	-	-	1 - 6.3	277	1500	-55°C to +125°C	-	•	-	-	-	•	•	•	-	•	-	-
	871	13.3 x 12 mm	•	-	-	150 - 200	75	1500	-55°C to +100°C	-	•	-	-	-	•	•	•	-	-	-	-
Telelink <sup>®</sup> Fuse	461	4012	•	-	-	0.5 - 2.0	600	60	-55°C to +125°C	-	•	•	-	-	•	•	-	•	-	-	-
	461E	4012	•	-	-	1.25	600	60	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
OMNI-BLOK <sup>®</sup> Fuseholder	154	3820	-	•	•	0.062 - 10.00 0.375 – 7	125	35 - 50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
	154T	3820	•	-	-	0.062 - 10.00 0.375 – 7	125	50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
Fuse and Clip Assemblies	157	2615	-	-	•	0.062 - 10	125	35 - 50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
	157T	2615	•	-	-	0.375 - 5	125	50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
	159	4319	-	-	-	0.5 - 2	600	60	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
	160	4319	•	-	-	0.5 - 5	250	50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-
PICO <sup>®</sup> SMF Fuse	304	13.71 x 6.03 mm	-	-	•	0.05 - 0.75	277	277V / 1500A	*see datasheet	-	•	-	-	-	-	•	-	-	-	-	-
	308	5.4 x 3.8 mm	-	•	-	0.25 - 1.5	24VAC / 30VDC	30VDC / 50A	-40°C to +70°C	-	•	-	-	-	-	•	•	-	-	-	•
	459	7.24 x 4.32 mm	-	-	•	0.062 - 5	125	50 - 300	-55°C to +125°C	-	•	•	•	-	-	•	-	-	-	-	-
	460	7.24 x 4.32 mm	•	-	-	0.375 - 5	125	50	-55°C to +125°C	-	•	•	•	-	•	•	-	-	-	-	-
Flat Pak	202	13.00 x 6.35 x 7.62 mm	-	•	-	0.062 - 5	250	50	-55°C to +125°C	-	•	•	-	-	-	-	-	-	-	-	-

## Axial Leaded/Cartridge Fuses

<div><div>251</div><div>473</div><div>215</div><div>325</div><div>606</div></div>																									
Surface Mount Type	Series Name <sup>1</sup>	Time Lag	Medium Acting	Fast Acting	Very Fast Acting	Device Range <sup>3</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>3</sup> (Volts)	Interrupting Rating at Max Voltage Rating <sup>3</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>3</sup>											RoHS Compliant	Lead Free	Halogen Free	Ex / IEC / IECEx	
										Americas			Europe					Asia							
										UL	UR	CSA	QPL	UMF	CE	VDE	TUV	BSI	Semko	PSE					K
PICO® Fuse / PICO® II Fuse Axial	<a href="#">251</a>	-	-	-	•	0.062 - 15	125	125VDC / 300A 125VAC / 50A	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	•	-	-	•	-	-
	<a href="#">253</a>	-	-	-	•	0.062 - 15	125	125VDC / 300A 125VAC / 50A	-55°C to +125°C	-	-	-	•	-	•	-	-	-	-	•	-	-	•	-	-
	<a href="#">259/259UL913</a>	-	-	•	-	0.062 - 5	125	125VAC @ 50A 125VDC @ 300A	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	•	-	•	
	<a href="#">263</a>	-	-	-	•	0.062 - 5	250	50	-55°C to +125°C	-	•	-	-	-	•	-	-	-	-	•	-	-	•	-	-
	<a href="#">265/266/267</a>	-	-	-	•	0.062 - 15	125	300DC / 50AC	-55°C to +125°C	-	•	•	•	-	•	-	-	-	-	-	-	•	-	-	-
	<a href="#">275</a>	-	-	-	•	20 - 30	32	32VDC / 300A 32VAC / 100A	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	•	-	-	-

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(2) Size for these surface mount items refers to common industry length and width dimensions of the device surface area. Example: 0402 = .04" x .02"

(3) In some cases for these categories, the ratings, agency approvals, and specifications vary by part number and are presented here as ranges representing the whole series.

Please refer to product data on [Littelfuse.com](https://www.littelfuse.com) and in our data sheets for detailed information by part number.






## Axial Leaded/Cartridge Fuses (continued)

		251		473		215		325		606																	
Surface Mount Type	Series Name <sup>1</sup>	Time Lag	Medium Acting	Fast Acting	Very Fast Acting	Device Range <sup>3</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>3</sup> (Volts)	Interrupting Rating at Max Voltage Rating <sup>3</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>3</sup>														RoHS Compliant	Lead Free	Halogen Free	Ex / IEC / IECEx
										Americas					Europe					Asia							
										UL	UR	CSA	QPL	UMF	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC				
PICO® Fuse / PICO® II Fuse Axial	<a href="#">305</a>	-	-	•	-	0.05 - 0.75	277	2777V @ 1500A	*see datasheet	-	•	-	-	-	-	-	-	-	-	-	-	-	•	-	-	•	
	<a href="#">471</a>	•	-	-	-	0.5 - 5	125	50	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	•	-	-	•	-	•	-	
	<a href="#">472</a>	•	-	-	-	0.5 - 5	125	50	-55°C to +125°C	-	•	-	-	-	•	-	-	-	-	-	-	-	•	-	•	-	
	<a href="#">473</a>	•	-	-	-	0.375 - 7	125	50	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	•	-	-	-	•	-	•	-
	<a href="#">521</a>	-	-	-	•	2 - 7	75	75VDC / 300A	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-	
3.6 x 10mm	<a href="#">874</a>	-	-	-	•	0.1 - 10	250	50	-55°C to +125°C	•	-	-	-	-	•	-	-	-	-	-	-	-	•	•	-	-	
	<a href="#">875</a>	•	-	-	-	0.1 - 10	250	50	-55°C to +125°C	•	-	-	-	-	•	-	-	-	-	-	-	-	•	•	-	-	
	<a href="#">876</a>	-	-	-	•	0.125 - 5	250	35 - 50	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-	-	•	•	-	-	
	<a href="#">877</a>	•	-	-	-	0.375 - 10	250	35 - 63	-55°C to +125°C	-	•	-	-	-	•	•	-	-	-	-	-	-	•	•	-	-	
4.5 x 14.5mm (2AG)	<a href="#">208</a>	-	-	•	-	0.125 - 10	350	100	-55°C to +125°C	-	•	-	•	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">209</a>	•	-	-	-	0.25 - 7	350	100	-55°C to +125°C	-	•	-	•	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">220</a>	Special Fuse				0.3 - 7	250 / 300 / 350	35 - 100	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">2205</a>	•	-	-	-	0.25 - 2.5	250	35	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	-	-	-	-	•	•	-	-
	<a href="#">224/225</a>	-	-	•	-	0.375 - 10	250 / 125	35 - 500	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">229/230</a>	•	-	-	-	0.25 - 7	250 / 125	35 - 400	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	-	-	-	•	•	-	-
5 x 20mm	<a href="#">217</a>	-	-	•	-	0.032 - 15	250	35 - 150	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	•	-	•	•	-	-	
	<a href="#">218</a>	•	-	-	-	0.032 - 16	250	35 - 100	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	•	-	•	•	-	-	
	<a href="#">213</a>	•	-	-	-	0.2 - 6.3	250	35 - 63	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	-	•	-	•	-	-	
	<a href="#">219XA</a>	•	-	-	-	0.04 - 6.3	250	150	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	-	•	-	•	-	-	
	<a href="#">216</a>	-	-	•	-	0.05 - 16	250	750 - 1500	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	•	-	•	•	-	-	
	<a href="#">215</a>	•	-	-	-	0.125 - 20	250	400 / 1500	-55°C to +125°C	-	•	•	-	-	•	•	-	•	•	•	•	-	•	•	-	-	
	<a href="#">232</a>	-	•	-	-	1 - 10	250 / 125	300 / 10,000	-55°C to +125°C	-	-	-	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">235</a>	-	-	•	-	0.1 - 7	250 / 125	35 - 10,000	-55°C to +125°C	•	-	•	-	-	•	-	-	-	-	•	•	-	-	•	-	-	-
	<a href="#">233</a>	-	•	-	-	1 - 10	125	10,000	-55°C to +125°C	•	-	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">234</a>	-	•	-	-	1 - 10	250	100 - 200	-55°C to +125°C	•	-	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">239</a>	•	-	-	-	0.08 - 7	250 / 125	35 - 10,000	-55°C to +125°C	•	-	•	-	-	•	-	-	-	-	•	•	-	-	•	-	-	-
	<a href="#">285</a>	•	-	-	-	0.125 - 20	250	400 - 1500	-55°C to +125°C	-	-	-	-	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">405</a>	-	-	-	-	25	420VDC / VAC	1,000A @ 250VAC/VDC 300A @ 420VDC 200A @ 420VAC	-55°C to +125°C	-	•	-	-	-	-	-	•	-	-	-	-	-	•	•	•	-	
	<a href="#">477</a>	•	-	-	-	0.5 - 16	400DC / 500AC	100 - 1500	-55°C to +125°C	-	•	•	-	-	•	-	-	-	•	•	-	-	-	•	•	-	-

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(2) In some cases for these categories, the ratings, agency approvals, and specifications vary by part number and are presented here as ranges representing the whole series.




## Axial Leaded/Cartridge Fuses (continued)

																											
Surface Mount Type	Series Name <sup>1</sup>	Time Lag	Medium Acting	Fast Acting	Very Fast Acting	Device Range <sup>3</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>3</sup> (Volts)	Interrupting Rating at Max Voltage Rating <sup>3</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>3</sup>												RoHS Compliant	Lead Free	Halogen Free	Ex / IEC / IECEx		
										Americas				Europe					Asia								
										UL	UR	CSA	QPL	UMF	CE	VDE	TUV	BSI	Semko	PSE	K					CCC	CQC
5 x 20mm	<a href="#">487</a>	-	-	•	-	8 - 20	420	200	-55°C to +125°C	•	-	-	-	-	-	-	•	-	-	-	-	-	•	•	-	-	
	<a href="#">835</a>	•	-	-	-	5 - 8	250	1500	-55°C to +125°C	•	-	-	-	-	-	-	•	-	-	•	•	•	•	•	-	-	
	<a href="#">977</a>	•	-	-	-	0.5 - 16	450DC / 500AC	200 / 100	-55°C to +125°C	-	-	-	-	-	-	-	•	•	-	-	-	-	•	•	-	-	
6 x 25mm	<a href="#">688</a>	-	-	-	-	5 - 40	70	1500 - 2500	-55°C to +125°C	•	-	-	-	-	-	-	•	-	-	-	-	-	•	•	-	-	
6.3 x 32mm (3AG/3AB)	<a href="#">312/318</a>	-	-	•	-	0.062 - 35	250 / 32	35 - 300	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">313/315</a>	•	-	-	-	0.01 - 30	250 / 125 / 32	35 - 300	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">314/324</a>	-	-	•	-	0.375 - 40	250	35 - 1000	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">322</a>	-	-	-	•	12 - 30	65	200 - 1000	-55°C to +125°C	-	•	-	-	-	•	-	-	-	-	•	-	-	-	•	-	-	-
	<a href="#">328</a>	-	-	-	-	21	100VDC / 300VAC	200 / 200	-55°C to +125°C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<a href="#">332</a>	-	-	-	•	1 - 10	250	100 / 200	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	•	-	-	-	•	•	-	-
	<a href="#">325/326</a>	•	-	-	-	0.01 - 30	250	100 - 600	-55°C to +125°C	•	•	•	-	-	•	-	-	-	-	•	•	-	-	•	•	-	-
	<a href="#">504</a>	-	-	-	-	20 - 30	420VDC / 500VAC / 250 VAC	400 / 200 / 1500	-55°C to +125°C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<a href="#">505</a>	-	-	•	-	10 - 30	450 / 500	20,000 - 50,000	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	-	-	-	-	•	•	-	-
	<a href="#">506</a>	-	-	•	-	15 - 20	600DC	10,000	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	-	-	-	-	•	•	-	-
	<a href="#">507</a>	-	-	-	-	1 - 8	650VDC	150	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<a href="#">508</a>	-	-	-	-	0.315 - 1	1000	10,000	-55°C to +125°C	-	•	•	-	-	•	-	-	-	-	-	-	-	-	•	•	-	-
	<a href="#">513</a>	-	-	-	-	5 - 10	800VDC	400A @ 800VDC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">514</a>	-	-	•	-	1.6 - 12.5	500	5000	-55°C to +125°C	•	-	-	-	-	•	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">527</a>	-	-	-	-	30 - 50	500VAC 305VAC	10KA @ 500VAC 10KA @ 500VDC 10KA @ 305VAC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">532</a>	-	-	-	-	35-40	500VAC 500VDC 305VAC	25KA@500VDC 30KA@500VAC 42KA@305VAC	-55°C to +125°C	•	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">539</a>	-	-	-	-	35-40	305	25,000	-55°C to +125°C	•	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
10 x 32mm	<a href="#">526</a>	-	-	-	-	30 - 60	500VAC 300VAC 500VDC	10KA @ 500VAC 10KA @ 500VDC 10KA @ 300VAC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">606</a>	-	-	-	-	40 - 63	500	2000	-55°C to +125°C	•	-	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">607</a>	-	-	-	-	40 - 63	500VAC / VDC	10KA @ 500VAC 10KA @ 500VDC 10KA @ 300VAC	-55°C to +125°C	-	•	-	-	-	-	-	•	-	-	-	-	-	-	•	•	•	-
10 x 38mm	<a href="#">827</a>	-	-	-	-	40-50	800VDC	10KA@800VDC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
	<a href="#">828</a>	-	-	-	-	15 - 30	1000VDC	10KA @ 1000VDC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-
15 x 51mm	<a href="#">828</a>	-	-	-	-	40-60	1000VDC	10KA @ 1000VDC	-55°C to +125°C	-	•	-	-	-	-	-	-	-	-	-	-	-	-	•	•	•	-

(1) Detailed information about product series listed here can be found on our website.

(2) In some cases for these categories, the ratings, agency approvals, and specifications vary by part number and are presented here as ranges representing the whole series.




## Radial Leaded/Socket Fuses

<div>  370  303  804 </div>															
Surface Mount Type	Series Name <sup>1</sup>	Size (mm)	Time Lag	Fast Acting	Very Fast Acting	Device Range <sup>2</sup> (Operating Current Options in Amps)	Max. Voltage Rating <sup>2</sup> (Volts)	Interrupting Rating at Max. Voltage Rating <sup>2</sup> (Amps)	Operating Temperature Range	Agency Approvals <sup>2</sup>					CCC
										UL	UR	CSA	PSE	UMF	
Micro™ Fuse / TR3 Fuse	<a href="#">269</a>		-	-	-	0.002 - 5	125	10,000	-55°C to +125°C	-	•	•	-	-	-
	<a href="#">272</a>		-	-	-	0.002 - 5	125	10,000	-55°C to +125°C	-	•	•	-	-	-
	<a href="#">273</a>		-	-	-	0.002 - 5	125	10,000	-55°C to +85°C	-	•	•	-	-	-
	<a href="#">274</a>		-	-	-	0.002 - 5	125	10,000	-55°C to +85°C	-	-	-	-	-	-
	<a href="#">303</a>		-	-	•	0.05 - 5	125	50	-55°C to +70°C	•	-	•	-	-	-
TR5® Fuse	<a href="#">370</a>	8.5 x 8	-	-	•	0.04 - 6.3	250	35 - 63	-40°C to +85°C	-	•	-	•	-	•
	<a href="#">372</a>		•	-	-	0.04 - 6.3	250	35 - 50	-40°C to +85°C	-	•	-	•	-	•
	<a href="#">373</a>		-	-	•	0.05 - 10	250	50	-40°C to +85°C	•	-	•	-	-	-
	<a href="#">374</a>		•	-	-	0.05 - 10	250	50	-40°C to +85°C	•	-	•	-	-	-
	<a href="#">382</a>		•	-	-	1 - 10	250	100	-40°C to +85°C	-	•	-	•	-	•
	<a href="#">383</a>		•	-	-	1 - 10	300 - 320	100 - 50	-40°C to +85°C	-	•	-	•	-	-
TE5	<a href="#">369</a>	8.5 x 8	•	-	-	0.8 - 6.3	300	50	-40°C to +125°C	-	•	-	•	-	-
	<a href="#">385</a>		•	-	-	0.35 - 1.5	125	50	-40°C to +125°C	-	•	-	-	-	-
	<a href="#">391</a>		-	-	•	0.125 - 4	65	50	-40°C to +125°C	-	•	-	-	-	-
	<a href="#">392</a>		•	-	-	0.280 - 6.3	250	25 - 130	-40°C to +125°C	-	•	-	•	-	•
	<a href="#">395</a>		-	-	•	0.05 - 6.3	125	100	-40°C to +125°C	•	-	-	•	-	-
	<a href="#">396</a>		•	-	-	0.05 - 6.3	125	100	-40°C to +125°C	•	-	-	•	-	-
	<a href="#">397</a>		•	-	-	0.35 - 1.5	125	50	-40°C to +125°C	•	-	-	-	-	-
	<a href="#">398</a>		-	•	-	0.125 - 4	65	50	-40°C to +125°C	-	•	-	-	-	-
	<a href="#">399</a>		•	-	-	0.125 - 4	65	50	-40°C to +85°C	-	•	-	-	-	-
	<a href="#">400</a>		•	-	-	0.5 - 6.3	250	130	-40°C to +125°C	-	•	-	•	-	•
	<a href="#">808</a>	8.9 x 8.9	-	-	•	2 - 5	250	100	-40°C to +85°C	-	•	-	-	-	-
TE7	<a href="#">804</a>	12.4 x 9.2 x 6.4	•	-	-	0.8 - 6.3	250	150	-40°C to +125°C	-	-	-	•	•	•
	<a href="#">807</a>	12.4 x 9.2 x 6.4	•	-	-		300	100	-40°C to +125°C	-	•	-	•	-	-

(1) Detailed information about product series listed here can be found on our website.





(2) In some cases for these categories, the ratings, agency approvals, and specifications vary by part number and are presented here as ranges representing the whole series.

## Battery Mini-Breakers (Thermal Cutoff Devices)

 MHP-TAC
  MHP-TAM6
  MHP-TAT18

Series Name¹	Size (mm)	Operation Temperature	Reset Temperature	Hold Current @25°C (I <sub>HOLD</sub> )	Contact Rating	Max Breaking Current	Operating Temperature Range	Agency Approvals				Halogen Free	RoHS	Lead Free
								cUR	UR	cTUVus	CB			
<a href="#">MHP-TAM6</a>	5.80 x 3.80 x 1.15MAX	72-90°C	≥40°C	6A	DC 9V/12A, 6000 Cycles	DC 5V/40A, 100 Cycles	-30 to 100°C	•	•	-	•	•	•	•
<a href="#">MHP-TAM15</a>	5.80 x 3.80 x 1.15MAX	72-90°C	≥40°C	15A	DC 9V/25A, 6000 Cycles	DC 5V/80A, 100 Cycles	-30 to 100°C	•	•	-	•	•	•	•
<a href="#">MHP-TAW18</a>	11.20 x 3.80 x 1.15MAX	72-90°C	≥40°C	18A	DC 9V/30A, 6000 Cycles	DC 5V/80A, 100 Cycles	-30 to 100°C	ongoing	ongoing	-	ongoing	•	•	•
<a href="#">MHP-TAC6</a>	4.75 x 2.80 x 0.85MAX	72-90°C	≥40°C	6A	DC 12V/12A, 6000 Cycles	DC 5V/40A, 100 Cycles	-30 to 100°C	•	•	-	•	•	•	•
<a href="#">MHP-TAC15</a>	4.75 x 2.80 x 0.85MAX	72-90°C	≥40°C	15A	DC 12V/25A, 6000 Cycles	DC 5V/80A, 100 Cycles	-30 to 100°C	•	•	-	•	•	•	•
<a href="#">MHP-TAS10</a>	4.75 x 2.85 x 0.99MAX	72-90°C	≥35°C	10A	DC 9V/25A, 6000 Cycles	DC 5V/50A, 100 Cycles	-30 to 100°C	-	-	•	•	•	•	•

## Battery Protectors (ITV Three-Terminal Fuses)

 ITV2718
  ITV4030
  ITV5432
  ITV9550

Series Name¹	Size (mm)	Max Voltage (V <sub>MAX</sub> )	Interrupt Current (I <sub>BREAK</sub> )	Current Carrying Capacity (I <sub>RATED</sub> )	Range of Operation Voltage (V <sub>OP</sub> )	Cells in Series	Operating Temperature Range	Agency Approvals			Halogen Free	RoHS	Lead Free
								cUR	UR	CB			
<a href="#">ITV2718 5A</a>	2718 / 1107	36V	50A	5A	2.5~10.0V	1~2	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV4030 12A</a>	4030 / 1612	36V	50A	12A	3.0~19.6V	1~4	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV4030 15A</a>	4030 / 1612	36V	50A	15A	3.0~28.0V	1~6	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV4030 22A</a>	4030 / 1612	36V	50A	22A	3.5~23.1V	1~5	-10°C to +65°C	•	•	•	•	•	•
<a href="#">ITV5432 30A</a>	5432 / 2213	62V	80A	30A	7.5~62.0V	2~14	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV9550 30A</a>	9550 / 3820	85V	80A	30A	4.0~72.0V	1~17	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV9550 45A</a>	9550 / 3820	85V	120A	45A	9.8~62.0V	3~14	-10°C to +65°C	•	•	•	•	•	-
<a href="#">ITV9550 60A</a>	9550 / 3820	80V	160A	60A	9.6~62.0V	3~14	-10°C to +65°C	•	•	•	•	•	•



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