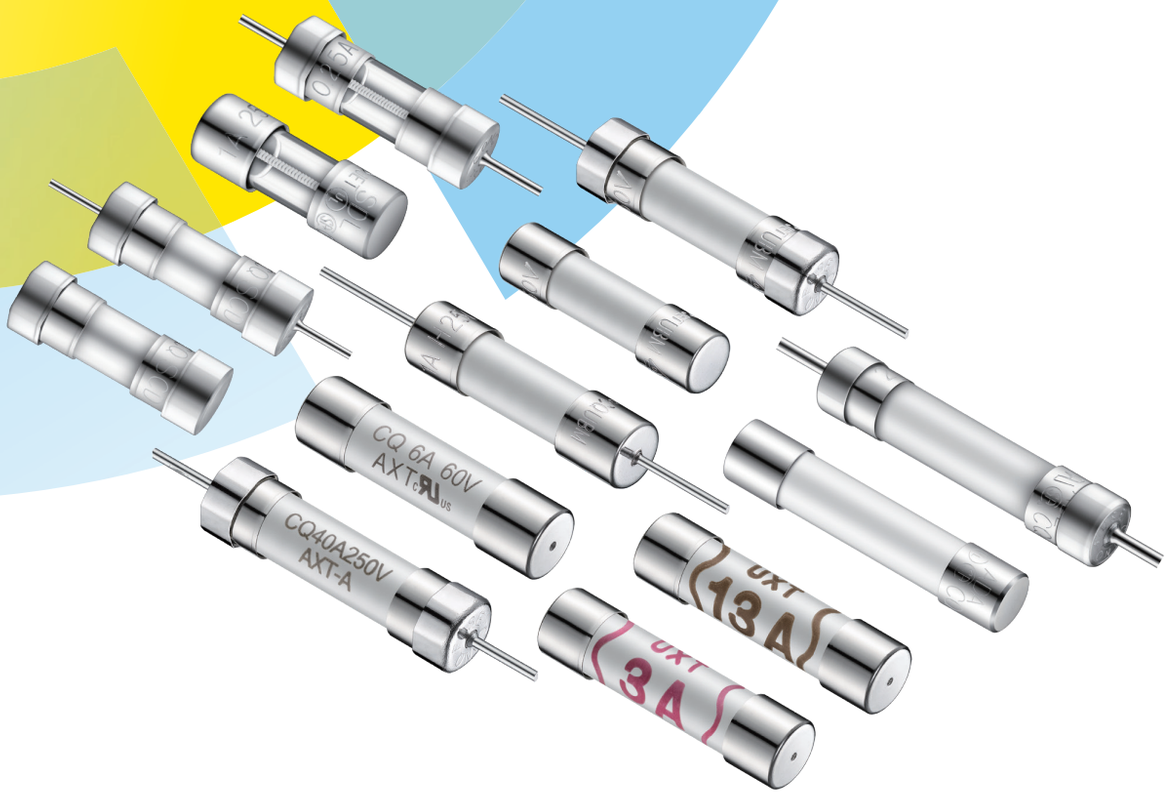


Axial Lead & Cartridge Fuse

Our highly versatile axial lead and cartridge fuses offer cost-efficient and reliable overcurrent protection solutions, suitable for a wide-range of applications across industries.

SGS

4.5Ø x 14.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	10mA - 3.5A
CSA Certified	10mA - 3.5A
PSE	1A - 3.5A

Interrupting Rating

100mA - 3.5A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass

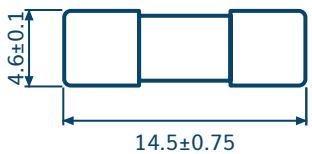
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
100mA - 10A	4 hr	1 hr	5 sec

Packaging

Packaging Option	Quantity
Bulk	2,000 pcs / box

Mechanical Dimensions (mm)



SGS

SGP-A

4.5Ø x 14.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	10mA - 3.5A
CSA Certified	10mA - 3.5A
PSE	1A - 3.5A

Interrupting Rating

100mA - 3.5A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.63 mm 7A and less. Ø1.0 mm for rating above 8A.

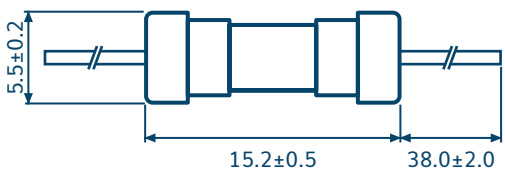
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
100mA - 10A	4 hr	1 hr	5 sec

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



SGP-A

SMP-A

4.5Ø x 14.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 8A

Interrupting Rating

100 amperes at 350V AC.
1A-3.5A: 100 amperes at 140V DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.63 mm 7A and less. Ø1.0 mm for rating above 8A.

Packaging

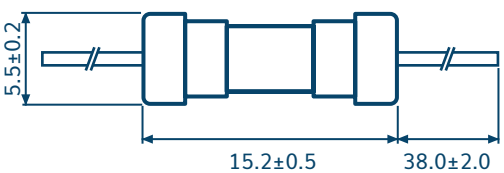
Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
1A - 8A	4 hr	1 hr	5 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
SMP-A 001	1A	350V	0.1248	0.3454
SMP-A 1.25	1.25A		0.0913	0.6182
SMP-A 1.50	1.5A		0.0756	0.8910
SMP-A 1.75	1.75A		0.0639	1.4535
SMP-A 002	2A		0.0521	2.0160
SMP-A 2.50	2.5A		0.0428	3.1275
SMP-A 003	3A		0.0326	5.7600
SMP-A 3.15	3.15A		0.0315	6.9997
SMP-A 3.50	3.5A		0.0244	8.2394
SMP-A 004	4A		0.0231	8.9856
SMP-A 4.50	4.5A		0.0211	11.155
SMP-A 005	5A		0.0183	13.325
SMP-A 006	6A		0.0158	20.545
SMP-A 6.30	6.3A		0.0134	22.964
SMP-A 007	7A		0.0126	27.766
SMP-A 7.50	7.5A		0.0110	28.985
SMP-A 008	8A		0.0109	30.205

Mechanical Dimensions (mm)



SMP-A

SDL

4.5Ø x 14.5 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	10mA - 8A
CSA Certified	10mA - 8A
PSE	1A - 5A

Interrupting Rating

100mA - 8A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.75A - 8A:	200 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass

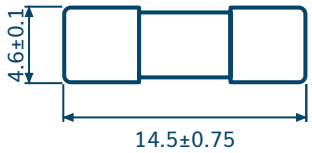
Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
100mA - 10A	4 hr	1 hr	3 sec	120 sec

Packaging

Packaging Option	Quantity
Bulk	2,000 pcs / box

Mechanical Dimensions (mm)



SDL

SDP-A

4.5Ø x 14.5 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	10mA - 3.5A
UL Recognized	3.75A - 8A
CSA Certified	10mA - 3.5A
PSE	1A - 5A

Interrupting Rating

100mA - 8A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.75A - 8A:	200 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.63 mm 7A and less. Ø1.0 mm for rating above 8A.

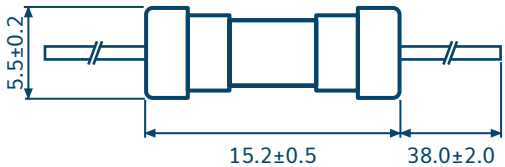
Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
100mA - 10A	4 hr	1 hr	3 sec	120 sec

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



SDP-A

SCF

4.5Ø x 14.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Certified products for U.S. and Canada	100mA - 8A

Interrupting Rating

1A - 8A:	10,000 amperes at 125V AC
1A - 8A:	200 amperes at 250V AC
1A - 8A:	100 amperes at 350V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass

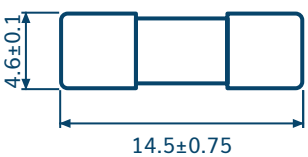
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
1A - 8A	4 hr	1 hr	5 sec

Packaging

Packaging Option	Quantity
Bulk	2,000 pcs / box

Mechanical Dimensions (mm)



SCF

SCF-A

4.5Ø x 14.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Certified products for U.S. and Canada	100mA - 8A

Interrupting Rating

1A - 8A:	10,000 amperes at 125V AC
1A - 8A:	200 amperes at 250V AC
1A - 8A:	100 amperes at 350V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.63 mm 7A and less. Ø1.0 mm for rating above 8A.

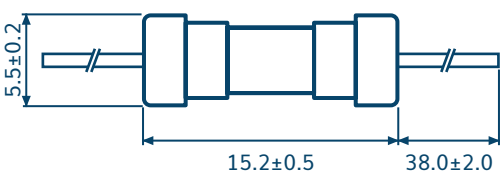
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
1A - 8A	4 hr	1 hr	5 sec

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



SCF-A

SCD

4.5Ø x 14.5 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
Certified products for U.S. and Canada	100mA - 8A

Interrupting Rating

1A - 8A:	10,000 amperes at 125V AC
1A - 8A:	200 amperes at 250V AC
1A - 8A:	100 amperes at 350V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass

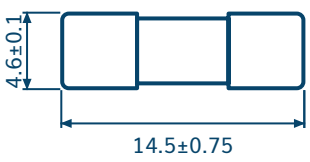
Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
1A - 8A	4 hr	1 hr	2 sec	120 sec

Packaging

Packaging Option	Quantity
Bulk	2,000 pcs / box

Mechanical Dimensions (mm)



SCD

SCD-A

4.5Ø x 14.5 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
Certified products for U.S. and Canada	100mA - 8A

Interrupting Rating

1A - 8A:	10,000 amperes at 125V AC
1A - 8A:	200 amperes at 250V AC
1A - 8A:	100 amperes at 350V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.63 mm 7A and less. Ø1.0 mm for rating above 8A.

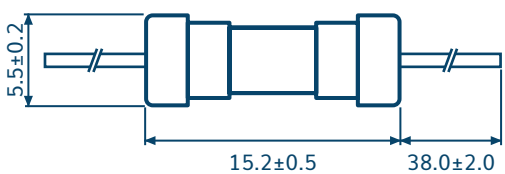
Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
1A - 8A	4 hr	1 hr	2 sec	120 sec

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



SCD-A

GFE/GFP-A

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	200mA - 10A
CSA Certified	200mA - 10A
PSE	**GFE:** 1A - 5A (125V / 250V) 6A - 10A (250V) **GFP-A:** 1A - 10A (125V / 250V)

Interrupting Rating

200mA - 10A:	10,000 amperes at 125V AC
200mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.6A - 10A:	200 amperes at 250V AC

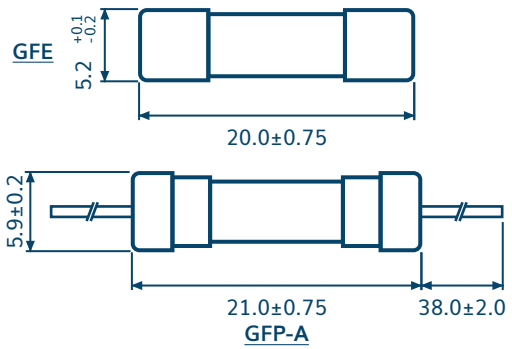
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GFE:** 1,000 pcs / box **GFP-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
200mA - 20A	4 hr	1 hr	5 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
GFE / GFP-A .200	200mA	250V	3.4980	0.0085
GFE / GFP-A .250	250mA		2.3610	0.0142
GFE / GFP-A .300	300mA		1.9400	0.0197
GFE / GFP-A .315	315mA		1.4960	0.0218
GFE / GFP-A .350	350mA		1.4466	0.0375
GFE / GFP-A .400	400mA		1.1030	0.0561
GFE / GFP-A .500	500mA		0.4195	0.0930
GFE / GFP-A .600	600mA		0.3262	0.1555
GFE / GFP-A .630	630mA		0.2853	0.2000
GFE / GFP-A .700	700mA		0.2370	0.2714
GFE / GFP-A .750	750mA		0.2107	0.3240
GFE / GFP-A .800	800mA		0.1905	0.3456
GFE / GFP-A 001	1A		0.1438	0.5940
GFE / GFP-A 1.25	1.25A		0.1029	1.1250
GFE / GFP-A 1.50	1.5A		0.0885	1.7820
GFE / GFP-A 1.60	1.6A		0.0757	2.0644
GFE / GFP-A 1.75	1.75A		0.0639	2.5110
GFE / GFP-A 002	2A		0.0588	3.2400
GFE / GFP-A 2.50	2.5A		0.0434	5.0400
GFE / GFP-A 003	3A		0.0394	7.9056
GFE / GFP-A 3.15	3.15A		0.0320	8.9303
GFE / GFP-A 3.20	3.2A		0.0315	9.0909
GFE / GFP-A 3.50	3.5A		0.0307	10.055
GFE / GFP-A 004	4A		0.0288	17.510
GFE / GFP-A 4.50	4.5A		0.0215	21.654
GFE / GFP-A 005	5A		0.0188	25.799
GFE / GFP-A 006	6A		0.0156	37.163
GFE / GFP-A 6.30	6.3A		0.0152	40.692
GFE / GFP-A 007	7A		0.0129	48.925
GFE / GFP-A 7.50	7.5A		0.0125	59.474
GFE / GFP-A 008	8A		0.0113	62.277
GFE / GFP-A 009	9A		0.0099	98.450
GFE / GFP-A 010	10A		0.0085	134.62
GFE / GFP-A 012	12A		0.0073	212.89
GFE / GFP-A 013	13A		0.0066	251.03
GFE / GFP-A 015	15A		0.0052	327.32
GFE / GFP-A 016	16A		0.0049	379.19
GFE / GFP-A 018	18A		0.0039	482.92
GFE / GFP-A 020	20A		0.0034	586.66

GTE/GTP-A

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	500mA - 10A
CSA Certified	500mA - 3.5A
CSA Acceptance	3.6A - 10A
PSE	**GTE:** 1A - 5A (125V) 1A - 10A (250V) **GTP-A:** 1A - 10A (125V / 250V)
KTL	500mA - 10A

Interrupting Rating

500mA - 10A:	10,000 amperes at 125V AC
500mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.6A - 10A:	200 amperes at 250V AC

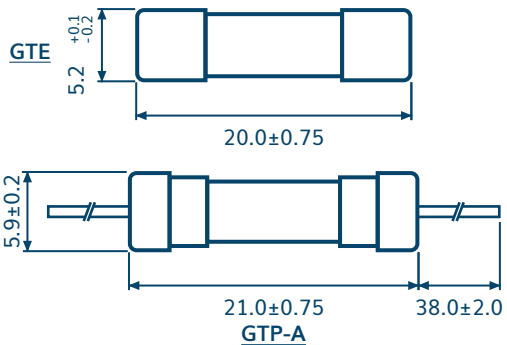
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GTE:** 1,000 pcs / box **GTP-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
500mA - 10A	4 hr	1 hr	2 sec	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
GTE / GTP-A .500	500mA	250V	0.5106	0.2160
GTE / GTP-A .600	600mA		0.4219	0.3240
GTE / GTP-A .630	630mA		0.4016	0.4001
GTE / GTP-A .700	700mA		0.2876	0.5423
GTE / GTP-A .750	750mA		0.2560	0.6075
GTE / GTP-A .800	800mA		0.2377	0.7603
GTE / GTP-A 001	1A		0.1647	1.5480
GTE / GTP-A 1.25	1.25A		0.1198	2.9250
GTE / GTP-A 1.50	1.5A		0.0968	6.6600
GTE / GTP-A 1.60	1.6A		0.0885	7.3485
GTE / GTP-A 002	2A		0.0618	11.772
GTE / GTP-A 2.25	2.25A		0.0502	15.899
GTE / GTP-A 2.50	2.5A		0.0461	20.025
GTE / GTP-A 003	3A		0.0364	34.292
GTE / GTP-A 3.15	3.15A		0.0343	37.566
GTE / GTP-A 3.20	3.2A		0.0321	38.187
GTE / GTP-A 3.50	3.5A		0.0319	38.808
GTE / GTP-A 004	4A		0.0250	63.360
GTE / GTP-A 4.50	4.5A		0.0224	79.585
GTE / GTP-A 005	5A		0.0210	95.810
GTE / GTP-A 006	6A		0.0149	104.36
GTE / GTP-A 6.30	6.3A		0.0104	108.63
GTE / GTP-A 007	7A		0.0088	112.90
GTE / GTP-A 7.50	7.5A		0.0080	127.43
GTE / GTP-A 008	8A		0.0079	144.48
GTE / GTP-A 010	10A		0.0061	254.30

GSL/GST-A

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	600mA - 8A
CSA Certified	600mA - 8A
PSE	**GSL:** 1A - 5A (125V) 1A - 8A (250V) **GST-A:** 1A - 8A

Interrupting Rating

600mA - 8A:	10,000 amperes at 125V AC
600mA - 1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.6A - 8A:	200 amperes at 250V AC

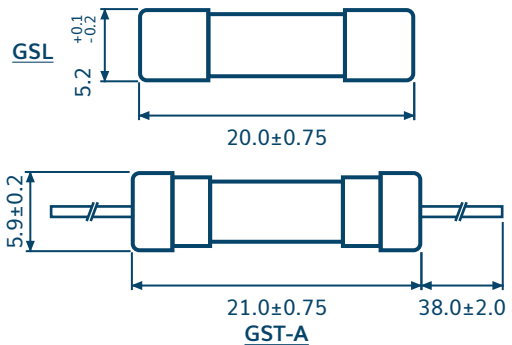
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GSL:** 1,000 pcs / box **GST-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
600mA - 20A	4 hr	1 hr	3 sec	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
GSL / GST-A .600	600mA	250V	0.6260	4.0008
GSL / GST-A .630	630mA		0.3925	4.4064
GSL / GST-A .700	700mA		0.3815	7.4088
GSL / GST-A .750	750mA		0.3377	9.2007
GSL / GST-A .800	800mA		0.3105	11.011
GSL / GST-A 001	1A		0.1879	14.400
GSL / GST-A 1.25	1.25A		0.1467	19.181
GSL / GST-A 1.50	1.5A		0.1048	23.962
GSL / GST-A 1.60	1.6A		0.1000	24.750
GSL / GST-A 002	2A		0.0736	59.616
GSL / GST-A 2.50	2.5A		0.0626	120.60
GSL / GST-A 003	3A		0.0514	176.26
GSL / GST-A 3.15	3.15A		0.0475	193.60
GSL / GST-A 3.50	3.5A		0.0380	198.61
GSL / GST-A 004	4A		0.0306	281.09
GSL / GST-A 005	5A		0.0216	391.64
GSL / GST-A 006	6A		0.0166	467.21
GSL / GST-A 6.30	6.3A		0.0158	477.81
GSL / GST-A 007	7A		0.0135	690.11
GSL / GST-A 7.50	7.5A		0.0122	737.70
GSL / GST-A 008	8A		0.0112	785.30
GSL / GST-A 010	10A		0.0090	975.71
GSL / GST-A 012	12A		0.0078	1569.7
GSL / GST-A 015	15A		0.0051	1922.1
GSL / GST-A 020	20A		0.0029	3553.6

GBF/GBF-A

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	16A - 20A

Interrupting Rating

16A - 20A: 200 amperes at 250V AC

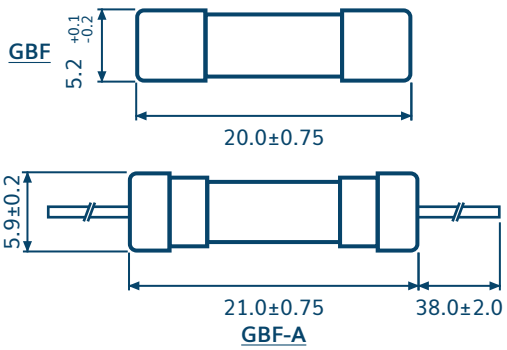
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GBF:** 1,000 pcs / box **GBF-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.5 In	2.5 In
	MIN	MAX	MAX
16A - 20A	4 hr	120 sec	1 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
GBF / GBF-A 016	16A	250V	0.0069	270.34
GBF / GBF-A 020	20A		0.0049	430.40

GBM/GBP-A

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	100mA - 15A
CSA Certified	100mA - 12A
CSA Acceptance	12.1A - 15A
PSE	5.1A - 15A

Interrupting Rating

100mA - 15A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.25A - 3.5A:	100 amperes at 250V AC
3.75A - 10A:	200 amperes at 250V AC
10.1A - 15A:	750 amperes at 250V AC

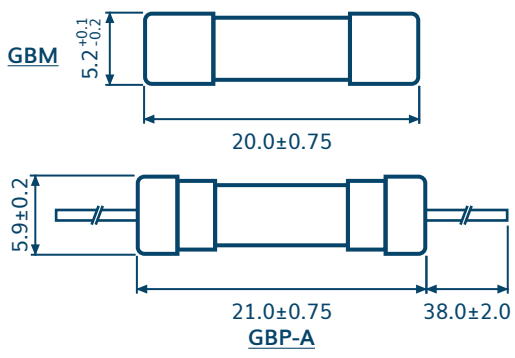
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GBM:** 1,000 pcs / box **GBP-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
100mA - 20A	4 hr	1 hr	30 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
GBM / GBP-A .100	100mA	250V	9.9900	0.0018
GBM / GBP-A .125	125mA		6.6320	0.0035
GBM / GBP-A .150	150mA		6.4810	0.0048
GBM / GBP-A .200	200mA		3.0970	0.0085
GBM / GBP-A .250	250mA		2.5440	0.0142
GBM / GBP-A .300	300mA		2.1170	0.0197
GBM / GBP-A .315	315mA		2.0080	0.0218
GBM / GBP-A .350	350mA		0.7350	0.0375
GBM / GBP-A .400	400mA		0.6030	0.0561
GBM / GBP-A .500	500mA		0.4005	0.1170
GBM / GBP-A .600	600mA		0.2930	0.1539
GBM / GBP-A .630	630mA		0.2920	0.1715
GBM / GBP-A .700	700mA		0.2370	0.2190
GBM / GBP-A .750	750mA		0.2144	0.2430
GBM / GBP-A .800	800mA		0.2100	0.2840
GBM / GBP-A 001	1A		0.1637	0.4140
GBM / GBP-A 1.50	1.5A		0.0813	1.4580
GBM / GBP-A 002	2A		0.0576	3.1680
GBM / GBP-A 2.50	2.5A		0.0569	3.6000
GBM / GBP-A 003	3A		0.0463	5.0625
GBM / GBP-A 3.15	3.15A		0.0461	5.8725
GBM / GBP-A 3.50	3.5A		0.0329	9.3726
GBM / GBP-A 004	4A		0.0275	13.683
GBM / GBP-A 005	5A		0.0209	22.303
GBM / GBP-A 006	6A		0.0137	43.708
GBM / GBP-A 6.30	6.3A		0.0129	48.237
GBM / GBP-A 007	7A		0.0127	60.523
GBM / GBP-A 008	8A		0.0124	95.715
GBM / GBP-A 010	10A		0.0074	166.10
GBM / GBP-A 012	12A		0.0057	240.62
GBM / GBP-A 015	15A		0.0044	435.98
GBM / GBP-A 020	20A		0.0034	792.00

GDA/GPA-A

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	1A - 15A
CSA Certified	1A -12A
CSA Acceptance	12.1A -15A
PSE	5.1A -15A (250V)
KTL	1.5A -20A

Interrupting Rating

1A - 15A:	10,000 amperes at 125V AC
1A:	35 amperes at 250V AC
1.1A - 3.5A:	100 amperes at 250V AC
3.6A - 10A:	200 amperes at 250V AC
10.1A - 15A:	750 amperes at 250V AC
15.1A - 20A:	200 amperes at 250V AC

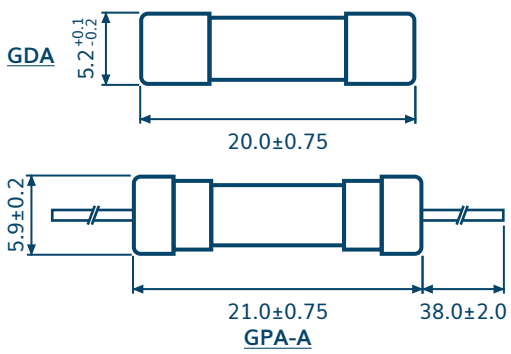
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 14A and less. Ø1.0 mm for rating above 15A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**GDA:** 1,000 pcs / box **GPA-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
1A - 20A	4 hr	1 hr	2 sec	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
GDA / GPA-A 001	1A	250V	0.1970	1.1520
GDA / GPA-A 1.25	1.25A		0.1285	2.3250
GDA / GPA-A 1.50	1.5A		0.0890	4.4384
GDA / GPA-A 1.60	1.6A		0.0852	5.2838
GDA / GPA-A 002	2A		0.0585	10.656
GDA / GPA-A 2.50	2.5A		0.0872	5.1183
GDA / GPA-A 003	3A		0.0615	9.8370
GDA / GPA-A 3.15	3.15A		0.0607	12.145
GDA / GPA-A 004	4A		0.0410	24.023
GDA / GPA-A 005	5A		0.0344	35.087
GDA / GPA-A 006	6A		0.0231	48.413
GDA / GPA-A 6.30	6.3A		0.0221	52.411
GDA / GPA-A 007	7A		0.0117	61.740
GDA / GPA-A 008	8A		0.0104	75.422
GDA / GPA-A 010	10A		0.0074	174.02
GDA / GPA-A 012	12A		0.0057	274.65
GDA / GPA-A 015	15A		0.0041	534.24
GDA / GPA-A 020	20A		0.0028	959.40

UFE/UFE-A

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Recognized	160mA - 10A
VDE	160mA - 10A
CSA Acceptance	160mA - 10A
PSE	1A - 10A
KTL	160mA - 6.3A
CQC	8A / 10A
CCC	160mA - 6.3A
BSI	**UFE only:** 160mA - 6.3A

Interrupting Rating

35 amperes or 10 x rated current; whichever is greater at 250V AC.

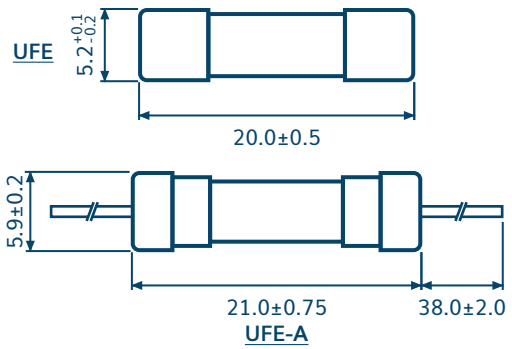
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm

Packaging

Packaging Option	Quantity
Bulk	**UFE:** 1,000 pcs / box **UFE-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time						
	1.5 In	2.1 In	2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MAX
160mA - 6.3A	60 min	30 min	50 ms	2 sec	10 ms	300 ms	20 ms
8A - 10A	30 min	30 min	50 ms	2 sec	10 ms	400 ms	40 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I^2t (A^2 sec.)
UFE / UFE-A .160	160mA	250V	2.6655	2000	0.0054
UFE / UFE-A .200	200mA		1.8220	1700	0.0160
UFE / UFE-A .250	250mA		1.3237	1400	0.0250
UFE / UFE-A .315	315mA		0.4159	1300	0.0396
UFE / UFE-A .400	400mA		0.2954	1200	0.1250
UFE / UFE-A .500	500mA		0.2482	1000	0.2077
UFE / UFE-A .630	630mA		0.1932	650	0.3029
UFE / UFE-A .800	800mA		0.1265	240	0.7477
UFE / UFE-A 001	1A		0.0800	200	1.1925
UFE / UFE-A 1.25	1.25A		0.0692	200	2.0869
UFE / UFE-A 1.60	1.6A		0.0502	190	7.2069
UFE / UFE-A 002	2A		0.0373	170	7.9544
UFE / UFE-A 2.50	2.5A		0.0302	170	8.7019
UFE / UFE-A 3.15	3.15A		0.0224	150	17.208
UFE / UFE-A 004	4A		0.0177	130	28.368
UFE / UFE-A 005	5A		0.0149	130	49.140
UFE / UFE-A 6.30	6.3A		0.0103	130	93.017
UFE / UFE-A 008	8A		0.0077	130	157.59
UFE / UFE-A 010	10A		0.0058	130	253.08

USL/USL-A

5.2Ø x 20 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
UL Recognized	125mA - 400mA
VDE	125mA - 400mA
CSA Acceptance	125mA - 400mA
KTL	125mA - 400mA
CCC	125mA - 400mA
BSI	**USL only:** 125mA - 400mA

Interrupting Rating

35 amperes or 10 x rated current; whichever is greater at 250V AC.

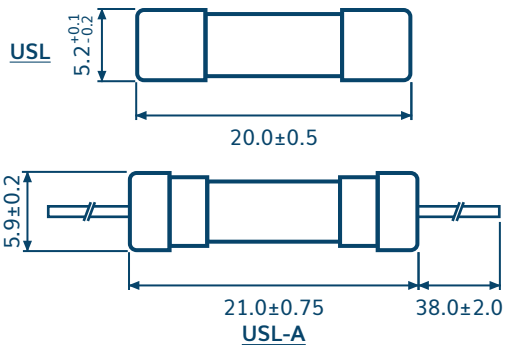
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm

Packaging

Packaging Option	Quantity
Bulk	**USL:** 1,000 pcs / box **USL-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In	2.1 In	2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
125mA - 400mA	60 min	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
USL / USL-A .125	125mA	250V	3.4100	2000	0.0910
USL / USL-A .160	160mA		2.8600	1900	0.1000
USL / USL-A .200	200mA		1.9900	1500	0.2424
USL / USL-A .250	250mA		1.2876	1300	0.5450
USL / USL-A .315	315mA		0.8212	1100	1.1330
USL / USL-A .400	400mA		0.5019	1000	1.5380

UTE/UTE-A

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Recognized	500mA - 10A
Recognized Component for Canada and US	11A - 16A
VDE	500mA - 10A
CSA Acceptance	500mA - 10A
TUV	11A - 15A
PSE	1A - 15A
KTL	500mA - 6.3A
CQC	8A / 10A / 16A
CCC	500mA - 6.3A
BSI	**UTE only:** 500mA - 6.3A

Interrupting Rating

35 amperes or 10 x rated current; whichever is greater at 250V AC.

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 12.1A.

Packaging

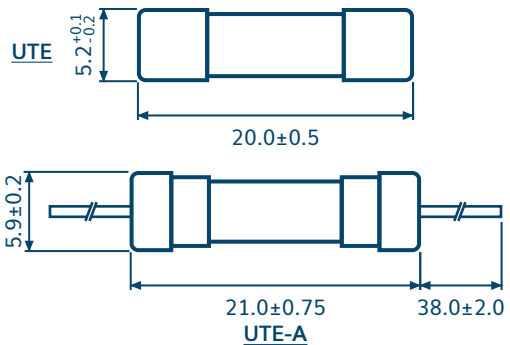
Packaging Option	Quantity
Bulk	**UTE:** 1,000 pcs / box **UTE-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In	2.1 In	2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
500mA - 6.3A	60 min	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms
8A - 16A	30 min	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I^2t (A^2 sec.)
UTE / UTE-A .500	500mA	250V	0.1989	900	0.7740
UTE / UTE-A .630	630mA		0.1403	300	1.1510
UTE / UTE-A .800	800mA		0.1089	250	2.3850
UTE / UTE-A 001	1A		0.0776	150	4.5000
UTE / UTE-A 1.25	1.25A		0.0566	150	10.809
UTE / UTE-A 1.60	1.6A		0.0438	150	17.118
UTE / UTE-A 002	2A		0.0349	150	29.088
UTE / UTE-A 2.50	2.5A		0.0241	120	49.905
UTE / UTE-A 3.15	3.15A		0.0187	100	74.304
UTE / UTE-A 004	4A		0.0145	100	140.01
UTE / UTE-A 005	5A		0.0107	100	159.29
UTE / UTE-A 6.30	6.3A		0.0083	100	178.56
UTE / UTE-A 008	8A		0.0059	100	264.96
UTE / UTE-A 010	10A		0.0043	100	552.60
UTE / UTE-A 011	11A		0.0040	100	666.00
UTE / UTE-A 12.5	12.5A		0.0035	100	793.80
UTE / UTE-A 015	15A		0.0027	100	1121.0
UTE / UTE-A 016	16A		0.0026	100	1365.4

Mechanical Dimensions (mm)



UDL/UDL-A

5.2Ø x 20 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	500mA - 6.3A
VDE	500mA - 10A
CCC	500mA - 10A

Interrupting Rating

150 amperes at 250V AC

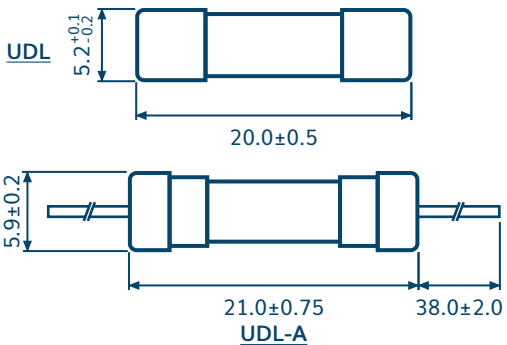
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm

Packaging

Packaging Option	Quantity
Bulk	**UDL:** 1,000 pcs / box **UDL-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In	2.1 In	2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
500mA - 6.3A	60 min	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms
8A - 10A	30 min	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I^2t (A^2 sec.)
UDL / UDL-A .500	500mA	250V	0.314	900	5.2500
UDL / UDL-A .630	630mA		0.210	300	8.3500
UDL / UDL-A .800	800mA		0.145	250	8.4609
UDL / UDL-A 001	1A		0.105	150	21.940
UDL / UDL-A 1.25	1.25A		0.081	150	35.419
UDL / UDL-A 1.60	1.6A		0.059	150	51.963
UDL / UDL-A 002	2A		0.041	150	68.508
UDL / UDL-A 2.50	2.5A		0.033	120	144.09
UDL / UDL-A 3.15	3.15A		0.022	100	198.16
UDL / UDL-A 004	4A		0.016	100	308.74
UDL / UDL-A 005	5A		0.013	100	459.14
UDL / UDL-A 6.30	6.3A		0.010	100	743.71
UDL / UDL-A 008	8A		0.007	100	1163.9
UDL / UDL-A 010	10A		0.005	100	1584.0

UBM-P

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 10A
TUV	1A - 10A
PSE	1A - 10A
KTL	1A - 10A
CCC	1A - 10A

Interrupting Rating

1500 amperes at 250V AC

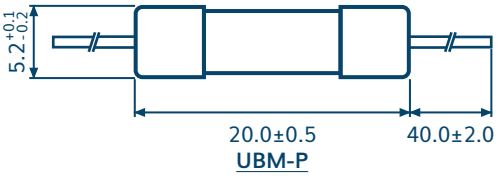
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.65 mm 6.3A and less. Ø0.8 mm 8A/10A

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



UBM-P

Electrical Characteristics

Ampere Rating	2.1 In	2.75 In		4 In		10 In
	MAX	MIN	MAX	MIN	MAX	MAX
1A - 4A	30 min	10 ms	2 sec	3 ms	300 ms	20 ms
5A - 6.3A	30 min	10 ms	3 sec	3 ms	300 ms	20 ms
8A - 10A	30 min	40 ms	20 sec	10 ms	1 sec	30 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UBM-P 001	1A	250V	0.0937	1000	1.1151
UBM-P 1.25	1.25A		0.1420	800	0.8010
UBM-P 1.60	1.6A		0.0971	600	1.5660
UBM-P 002	2A		0.0642	500	3.5280
UBM-P 2.50	2.5A		0.0503	400	4.6260
UBM-P 3.15	3.15A		0.0362	350	9.4050
UBM-P 004	4A		0.0239	300	20.664
UBM-P 005	5A		0.0185	250	27.630
UBM-P 6.30	6.3A		0.0140	200	68.580
UBM-P 008	8A		0.0098	200	79.488
UBM-P 010	10A		0.0069	200	189.00

UBM

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Recognized	100mA - 10A
Recognized Component for Canada and US	10.1A - 16A
VDE	500mA - 10A
CSA Acceptance	100mA - 10A
TUV	12.5A / 16A
PSE	1A - 15A
KTL	100mA - 6.3A
CQC	12.5A / 16A
CCC	100mA - 10A
BSI	100mA - 6.3A
SEMKO	100mA - 6.3A

Interrupting Rating

1500 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass

Packaging

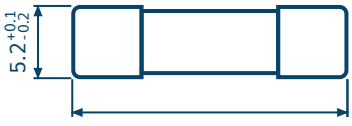
Packaging Option	Quantity
Bulk	1,000 pcs / box

Electrical Characteristics

Ampere Rating	Opening Time						
	1.5 In	2.1 In	2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MAX
100mA - 4A	60 min	30 min	10 ms	2 sec	3 ms	300 ms	20 ms
5A - 6.3A	60 min	30 min	10 ms	3 sec	3 ms	300 ms	20 ms
8A - 16A	30 min	30 min	40 ms	20 sec	10 ms	1 sec	30 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UBM .100	100mA	250V	6.3375	7000	0.00200
UBM .400	400mA		0.3740	2000	0.14400
UBM .500	500mA		0.2500	1800	0.20700
UBM .630	630mA		0.1624	1500	0.36512
UBM .800	800mA		0.1132	1200	0.58481
UBM 001	1A		0.0910	1000	0.91982
UBM 1.25	1.25A		0.1462	800	0.80190
UBM 1.60	1.6A		0.0916	600	1.34055
UBM 002	2A		0.0727	500	1.87920
UBM 2.50	2.5A		0.0509	400	4.50810
UBM 3.15	3.15A		0.0370	350	7.13700
UBM 004	4A		0.0283	300	14.5440
UBM 005	5A		0.0208	250	23.7780
UBM 6.30	6.3A		0.0150	200	38.8863
UBM 008	8A		0.0106	200	91.5381
UBM 010	10A		0.0075	200	189.180
UBM 012	12A		0.0058	200	296.369
UBM 12.5	12.5A		0.0055	200	323.438
UBM 015	15A		0.0047	200	412.420
UBM 016	16A		0.0040	200	462.274

Mechanical Dimensions (mm)



UBM

UBM-A

5.2Ø x 20 mm

Fast-Acting Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
1500 amperes at 250V AC	
UL Recognized	100mA - 10A
Recognized Component for Canada and US	10.1A - 16A
VDE	500mA - 10A
CSA Acceptance	100mA - 10A
TUV	12.5A / 16A
PSE	1A - 15A
KTL	100mA - 6.3A
CQC	12.5A / 16A
CCC	100mA - 10A
SEMKO	100mA - 6.3A
500mA - 16A: 1500 amperes at 277V AC(optional)	
Recognized Component for Canada and US	500mA - 16A
TUV	500mA - 16A

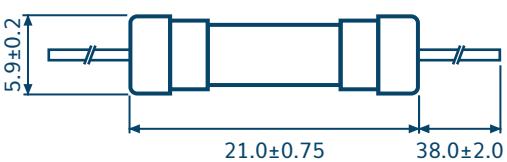
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 12.5A.

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



UBM-A

Electrical Characteristics

Ampere Rating	Opening Time						
	1.5 In	2.1 In	2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MAX
100mA - 4A	60 min	30 min	10 ms	2 sec	3 ms	300 ms	20 ms
5A - 6.3A	60 min	30 min	10 ms	3 sec	3 ms	300 ms	20 ms
8A - 16A	30 min	30 min	40 ms	20 sec	10 ms	1 sec	30 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UBM-A .100	100mA	250V	6.3375	7000	0.00200
UBM-A .400	400mA		0.3740	2000	0.14400
UBM-A .500	500mA		0.2500	1800	0.20700
UBM-A .630	630mA		0.1624	1500	0.36512
UBM-A .800	800mA		0.1132	1200	0.58481
UBM-A 001	1A		0.0910	1000	0.91982
UBM-A 1.25	1.25A		0.1462	800	0.80190
UBM-A 1.60	1.6A		0.0916	600	1.34055
UBM-A 002	2A		0.0727	500	1.87920
UBM-A 2.50	2.5A		0.0509	400	4.50810
UBM-A 3.15	3.15A		0.0370	350	7.13700
UBM-A 004	4A		0.0283	300	14.5440
UBM-A 005	5A		0.0208	250	23.7780
UBM-A 6.30	6.3A		0.0150	200	38.8863
UBM-A 008	8A		0.0106	200	91.5381
UBM-A 010	10A		0.0075	200	189.180
UBM-A 012	12A		0.0058	200	296.369
UBM-A 12.5	12.5A		0.0055	200	323.438
UBM-A 015	15A		0.0047	200	412.420
UBM-A 016	16A		0.0040	200	462.274

UBF/UBF-A

5.2Ø x 20 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	8A - 25A
TUV	8A - 25A

Electrical Characteristics

Ampere Rating	Opening Time						
	1 In	2.1 In	2.75 In		4 In		10 In
	MIN	MAX	MIN	MAX	MIN	MAX	MAX
8A - 25A	60 min	30 min	40 ms	20 sec	10 ms	1 sec	30 ms

Interrupting Rating

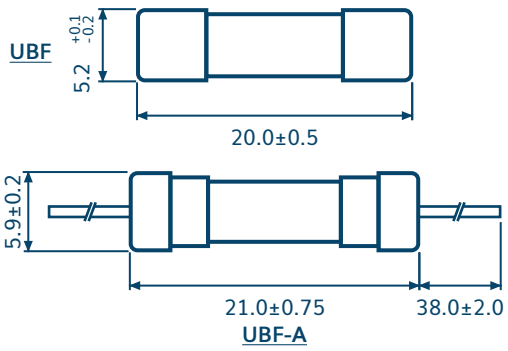
8A - 16A:	300 amperes at 420V AC/DC 400 amperes at 450V DC 200 amperes at 500V AC 200 amperes at 600V AC
20A - 25A:	300 amperes at 420V DC 400 amperes at 450V DC 200 amperes at 420V AC 200 amperes at 500V AC

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
UBF / UBF-A 008	8A	420V	0.01431	62.000
UBF / UBF-A 010	10A		0.01033	128.00
UBF / UBF-A 12.5	12.5A		0.00856	169.00
UBF / UBF-A 015	15A		0.00664	195.00
UBF / UBF-A 016	16A		0.00615	260.00
UBF / UBF-A 020	20A		0.00417	395.00
UBF / UBF-A 025	25A		0.00246	1250.0

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø1.0 mm 16A and less. Ø1.2 mm for rating above 20A.

Mechanical Dimensions (mm)



Packaging

Packaging Option	Quantity
Bulk	**UBF:** 1,000 pcs / box **UBF-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

UDA-P

5.2Ø x 20 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 10A
TUV	1A - 10A
PSE	1A - 10A
KTL	1A - 10A
CCC	1A - 10A

Interrupting Rating

1500 amperes at 250V AC

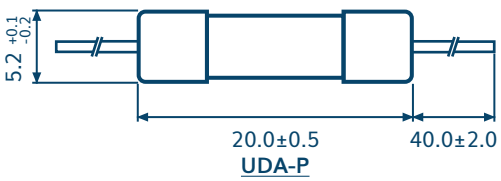
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.65 mm 6.3A and less. Ø0.8 mm 8A/10A

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



UDA-P

Electrical Characteristics

Ampere Rating	2.1 In	2.75 In		4 In		10 In	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1A - 3.15A	30 min	750 ms	80 sec	95 ms	5 sec	10 ms	150 ms
4A - 6.3A	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms
8A - 10A	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I^2t (A^2 sec.)
UDA-P 001	1A	250V	0.0744	350	6.9120
UDA-P 1.25	1.25A		0.0618	300	9.0000
UDA-P 1.60	1.6A		0.0781	200	6.2640
UDA-P 002	2A		0.0478	190	11.088
UDA-P 2.50	2.5A		0.0385	180	24.750
UDA-P 3.15	3.15A		0.0265	140	41.697
UDA-P 004	4A		0.0175	100	95.904
UDA-P 005	5A		0.0130	100	112.50
UDA-P 6.30	6.3A		0.0099	100	130.10
UDA-P 008	8A		0.0075	100	194.69
UDA-P 010	10A		0.0059	100	331.20

UDA

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Recognized	500mA - 10A
Recognized Component for Canada and US	10.1A - 25A
VDE	800mA - 12A
CSA Acceptance	800mA - 10A
TUV	15A - 25A
PSE	1A - 15A
KTL	1A - 10A
CCC	1A - 10A
BSI	1A - 6.3A
SEMKO	800mA - 12A

Interrupting Rating

500mA - 12A:	1,500 amperes at 250V AC
15A - 16A:	500 amperes at 250V AC
20A:	400 amperes at 250V AC
25A:	300 amperes at 250V AC

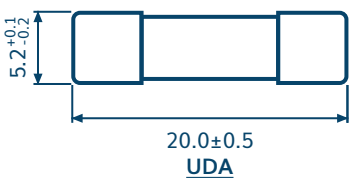
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass

Packaging

Packaging Option	Quantity
Bulk	1,000 pcs / box

Mechanical Dimensions (mm)



UDA

Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In		2.1 In		2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
500mA - 800mA	60 min	30 min	250 ms	80 sec	50 ms	5 sec	5 ms	150 ms
1A - 3.15A	60 min	30 min	750 ms	80 sec	95 ms	5 sec	10 ms	150 ms
4A - 6.3A	60 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms
8A - 25A	30 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UDA .500	500mA	250V	0.2276	850	0.7290
UDA .630	630mA		0.1392	650	1.6880
UDA .800	800mA		0.1180	500	2.3040
UDA 001	1A		0.0730	350	6.5570
UDA 1.25	1.25A		0.0630	300	7.8125
UDA 1.60	1.6A		0.0600	200	8.9600
UDA 002	2A		0.0499	190	18.576
UDA 2.50	2.5A		0.0384	180	29.070
UDA 3.15	3.15A		0.0290	140	39.564
UDA 004	4A		0.0186	100	97.920
UDA 005	5A		0.0135	100	166.77
UDA 6.30	6.3A		0.0105	100	198.48
UDA 008	8A		0.0068	100	230.19
UDA 010	10A		0.0050	100	377.77
UDA 012	12A		0.0034	100	848.88
UDA 015	15A		0.0032	100	900.32
UDA 016	16A		0.0030	100	1086.6
UDA 020	20A		0.0023	100	1687.0
UDA 025	25A		0.0018	100	4121.4

UDA-A

5.2Ø x 20 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Recognized	500mA - 10A
Recognized Component for Canada and US	10.1A - 25A
VDE	800mA - 12A
CSA Acceptance	800mA - 10A
TUV	15A - 25A
PSE	1A - 15A
KTL	1A - 10A
CCC	1A - 10A
SEMKO	800mA - 12A

Interrupting Rating

500mA - 12A:	1,500 amperes at 250V AC
15A - 16A:	500 amperes at 250V AC
20A:	400 amperes at 250V AC
25A:	300 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 15A.

Packaging

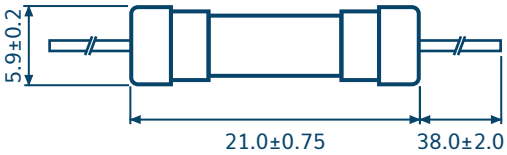
Packaging Option	Quantity
Bulk	500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In	2.1 In	2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
500mA - 800mA	60 min	30 min	250 ms	80 sec	50 ms	5 sec	5 ms	150 ms
1A - 3.15A	60 min	30 min	750 ms	80 sec	95 ms	5 sec	10 ms	150 ms
4A - 6.3A	60 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms
8A - 25A	30 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UDA-A .500	500mA	250V	0.2276	850	0.7290
UDA-A .630	630mA		0.1392	650	1.6880
UDA-A .800	800mA		0.1180	500	2.3040
UDA-A 001	1A		0.0730	350	6.5570
UDA-A 1.25	1.25A		0.0630	300	7.8125
UDA-A 1.60	1.6A		0.0600	200	8.9600
UDA-A 002	2A		0.0499	190	18.576
UDA-A 2.50	2.5A		0.0384	180	29.070
UDA-A 3.15	3.15A		0.0290	140	39.564
UDA-A 004	4A		0.0186	100	97.920
UDA-A 005	5A		0.0135	100	166.77
UDA-A 6.30	6.3A		0.0105	100	198.48
UDA-A 008	8A		0.0068	100	230.19
UDA-A 010	10A		0.0050	100	377.77
UDA-A 012	12A		0.0034	100	848.88
UDA-A 015	15A		0.0032	100	900.32
UDA-A 016	16A		0.0030	100	1086.6
UDA-A 020	20A		0.0023	100	1687.0
UDA-A 025	25A		0.0018	100	4121.4

Mechanical Dimensions (mm)



UDA-A

UDE/UDE-A

5.2Ø x 20 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	500mA - 25A
TUV	500mA - 25A

Interrupting Rating

500mA - 25A:	100 amperes at 500V AC
500mA - 3.15A:	1,500 amperes at 500V DC
4A - 12A:	500 amperes at 500V DC
16A - 25A:	400 amperes at 500V DC

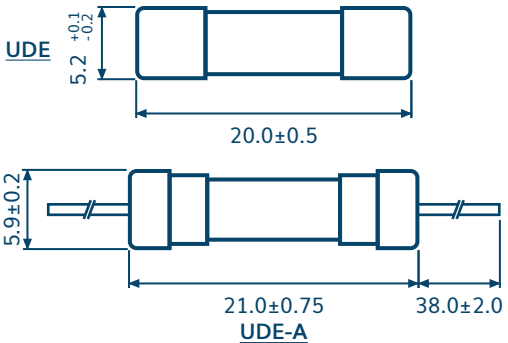
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 16A.

Packaging

Packaging Option	Quantity
Bulk	**UDE:** 1,000 pcs / box **UDE-A:** 500 pcs / box
On Axial Tape & Reel	1,000 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time							
	1.5 In		2.1 In		2.75 In		4 In		10 In	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
500mA - 800mA	60 min	30 min	250 ms	80 sec	50 ms	5 sec	5 ms	150 ms
1A - 3.15A	60 min	30 min	750 ms	80 sec	95 ms	5 sec	10 ms	150 ms
4A - 6.3A	60 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms
8A - 25A	30 min	30 min	750 ms	80 sec	150 ms	5 sec	10 ms	150 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Voltage Drop (mv) MAX	Nominal Melting I²t (A² sec.)
UDE / UDE-A .500	500mA	500V	0.1795	850	0.9128
UDE / UDE-A .630	630mA		0.1369	650	1.6324
UDE / UDE-A .800	800mA		0.1029	500	2.7936
UDE / UDE-A 001	1A		0.0710	350	4.2017
UDE / UDE-A 1.25	1.25A		0.0551	300	8.3700
UDE / UDE-A 1.60	1.6A		0.0690	200	9.1332
UDE / UDE-A 002	2A		0.0521	190	9.8964
UDE / UDE-A 2.50	2.5A		0.0411	180	20.053
UDE / UDE-A 3.15	3.15A		0.0294	140	39.650
UDE / UDE-A 004	4A		0.0193	100	78.739
UDE / UDE-A 005	5A		0.0137	100	97.946
UDE / UDE-A 6.30	6.3A		0.0113	100	117.15
UDE / UDE-A 008	8A		0.0058	100	209.32
UDE / UDE-A 010	10A		0.0050	100	382.68
UDE / UDE-A 012	12A		0.0049	100	578.15
UDE / UDE-A 016	16A		0.0033	100	1049.2
UDE / UDE-A 020	20A		0.0024	100	1733.0
UDE / UDE-A 025	25A		0.0016	100	4127.1

UXF/UXF-A

5.2Ø x 20 mm

Fast-Acting Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	15A - 30A
TUV	15A - 30A

Interrupting Rating

15A - 25A:	3000 amperes at 250V AC 1500 amperes at 250V DC 600 amperes at 420V AC 300 amperes at 420V DC 100 amperes at 500V AC/DC
30A:	3000 amperes at 250V AC 1500 amperes at 250V DC 300 amperes at 420V AC 100 amperes at 420V DC 100 amperes at 500V AC/DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass Caps: Nickel Plated Cop-per(for 30A)
Leads Wire	**15A - 20A:** Ø1.0 mm **25A - 30A:** Ø1.2 mm

Packaging

Packaging Option	Quantity
Bulk	**UXF:** 1,000 pcs / box **UXF-A:** 500 pcs / box
On Axial Tape & Reel	**UXF-A TR:** 1,000 pcs / per box **UXF-A TB:** 1,000 pcs / per box

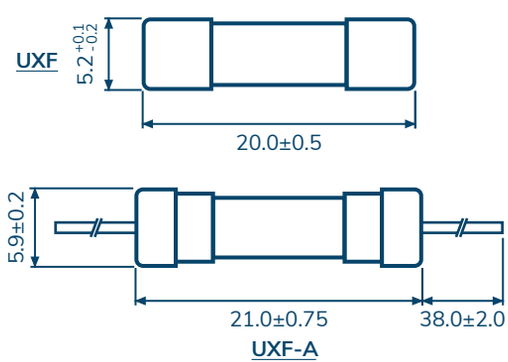
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	2 In	10 In
	MIN	MAX	MAX
15A - 20A/30A	60 min	60 sec	30 ms
25A	60 min	60 sec	5 ms

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
UXF / UXF-A 015	15A	500V	0.00536	55.687
UXF / UXF-A 016	16A		0.00498	43.457
UXF / UXF-A 020	20A		0.00345	358.68
UXF / UXF-A 025	25A		0.00340	200.00
UXF / UXF-A 030	30A		0.00310	180.00

(*I^2t measured at 1000% rated current)

Mechanical Dimensions (mm)



UXT

6.3Ø x 25.4 mm

British Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
CCC	1A - 13A
ASTA	1A - 13A

Interrupting Rating

6,000 amperes at 240V AC

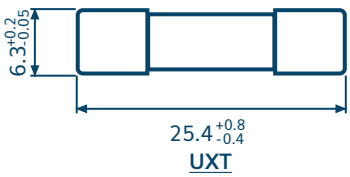
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Copper Alloy

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box

Mechanical Dimensions (mm)



UXT

Electrical Characteristics

Ampere Rating	Opening Time	
	1.6 In	1.9 In
	MIN	MAX
1A - 13A	0.5 hr	0.5 hr

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Wates Loes 100% In(n) Max	Nominal Melting I²t (A² sec.)
UXT 003	3A	240V	0.0368	1W	19.00
UXT 005	5A		0.0178	1W	81.00
UXT 007	7A		0.0112	1W	196.0
UXT 010	10A		0.0059	1W	576.0
UXT 013	13A		0.0046	1W	1000.0

* I²t values stated for 10 msec opening time

AXT/AXT-A

6.3Ø x 25.4 mm

Time-Lag Fuse

Custom-designed for 4G base stations

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and U.S	1A - 50A

Interrupting Rating

1A - 30A:	3,000 amperes at 60V AC/DC 1,500 amperes at 125V AC 2,000 amperes at 125V DC 1,500 amperes at 250V AC
35A - 50A:	2,000 amperes at 60V AC/DC 1,500 amperes at 125V AC 2,000 amperes at 125V DC 1,500 amperes at 250V AC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Tin Plated Copper Alloy
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 19A. Ø1.2 mm for rating above 20A.

Packaging

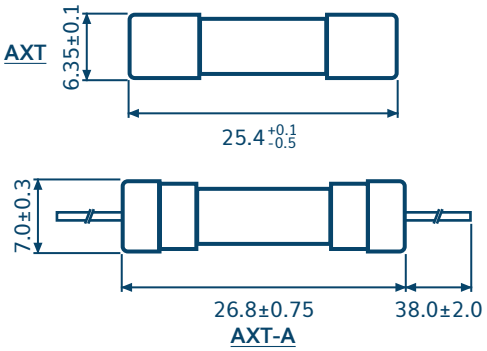
Packaging Option	Quantity
Bulk	**AXT:** 500 pcs / box **AXT-A:** 250 pcs / box

Electrical Characteristics

Ampere Rating	Opening Time	
	1 In	2 In
	MIN	MAX
1A - 50A	4 hr	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
AXT / AXT-A 005	5A	60/125/250V	0.0199	43.290
AXT / AXT-A 006	6A		0.0173	76.824
AXT / AXT-A 010	10A		0.0078	319.20
AXT / AXT-A 015	15A		0.0051	657.55
AXT / AXT-A 020	20A		0.0039	1084.5
AXT / AXT-A 030	30A		0.0020	3858.3
AXT / AXT-A 040	40A		0.0013	9273.6
AXT / AXT-A 050	50A		0.0010	15868

Mechanical Dimensions (mm)



AFE/AFP-A

6.3Ø x 32 mm

Fast-Acting Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	500mA - 10A
UL Recognized	12A - 30A
CSA Certified	500mA - 30A
PSE	**AFE:** 1A - 10A (250V) 1A - 5A (125V / 32V) **AFP-A:** 1A - 10A

Interrupting Rating

500mA - 10A:	10,000 amperes at 125V AC
500mA - 1A:	35 amperes at 250V AC
1.2A - 3.5A:	100 amperes at 250V AC
3.75A - 10A:	200 amperes at 250V AC
12A - 30A:	300 amperes at 32V AC 200 amperes at 125V AC 100 amperes at 250V AC

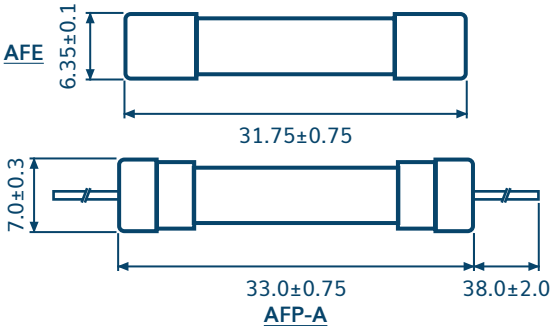
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**AFE:** 500 pcs / box **AFP-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
500mA - 30A	4 hr	1 hr	5 sec
Above 30A	4 hr	1 hr	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
AFE / AFP-A .500	500mA	250V	0.5955	0.1603
AFE / AFP-A .600	600mA		0.4523	0.2013
AFE / AFP-A .630	630mA		0.4287	0.2143
AFE / AFP-A .700	700mA		0.3500	0.2646
AFE / AFP-A .750	750mA		0.3133	0.3544
AFE / AFP-A .800	800mA		0.2668	0.4032
AFE / AFP-A 001	1A		0.1978	0.7200
AFE / AFP-A 1.20	1.2A		0.1445	1.1664
AFE / AFP-A 1.50	1.5A		0.1165	1.8225
AFE / AFP-A 1.60	1.6A		0.0979	2.0736
AFE / AFP-A 002	2A		0.0716	5.7154
AFE / AFP-A 2.50	2.5A		0.0572	8.7581
AFE / AFP-A 003	3A		0.0422	13.885
AFE / AFP-A 3.15	3.15A		0.0401	13.926
AFE / AFP-A 3.20	3.2A		0.0396	14.280
AFE / AFP-A 3.50	3.5A		0.0350	18.879
AFE / AFP-A 004	4A		0.0313	26.208
AFE / AFP-A 4.50	4.5A		0.0252	38.088
AFE / AFP-A 005	5A		0.0230	49.968
AFE / AFP-A 006	6A		0.0205	70.378
AFE / AFP-A 6.30	6.3A		0.0172	84.199
AFE / AFP-A 007	7A		0.0158	111.50
AFE / AFP-A 7.50	7.5A		0.0148	124.87
AFE / AFP-A 008	8A		0.0136	137.35
AFE / AFP-A 010	10A		0.0107	209.95
AFE / AFP-A 012	12A	32V	0.0085	362.88
AFE / AFP-A 013	13A		0.0074	425.88
AFE / AFP-A 015	15A		0.0064	583.20
AFE / AFP-A 016	16A		0.0062	615.00
AFE / AFP-A 018	18A		0.0049	933.12
AFE / AFP-A 020	20A		0.0045	1080.0
AFE / AFP-A 025	25A		0.0036	2475.0
AFE / AFP-A 030	30A		0.0024	4412.9

ATE/ATP-A

6.3Ø x 32 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	500mA - 8A
CSA Certified	500mA - 8A
PSE	**ATE:** 1A - 8A (250V) 1A - 5A (125V / 32V) **ATP-A:** 1A - 8A

Interrupting Rating

500mA - 10A:	10,000 amperes at 125V AC
500mA - 1A:	35 amperes at 250V AC
1.2A - 3.5A:	100 amperes at 250V AC
3.75A - 8A:	200 amperes at 250V AC

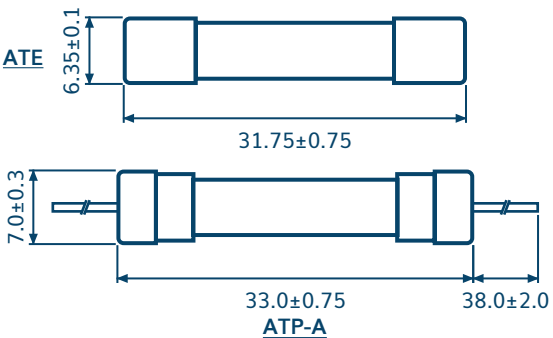
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less.

Packaging

Packaging Option	Quantity
Bulk	**ATE:** 500 pcs / box **ATP-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
500mA - 8A	4 hr	1 hr	2 sec	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
ATE / ATP-A .500	500mA	250V	0.7628	0.2931
ATE / ATP-A .600	600mA		0.4902	0.4970
ATE / ATP-A .630	630mA		0.4895	0.5650
ATE / ATP-A .700	700mA		0.4123	0.7610
ATE / ATP-A 750	750mA		0.3739	0.9455
ATE / ATP-A 800	800mA		0.3354	1.3788
ATE / ATP-A 001	1A		0.2184	2.4644
ATE / ATP-A 1.25	1.25A		0.1481	5.3063
ATE / ATP-A 1.50	1.5A		0.1171	7.9578
ATE / ATP-A 002	2A		0.0735	18.603
ATE / ATP-A 2.50	2.5A		0.0569	30.076
ATE / ATP-A 003	3A		0.0483	42.152
ATE / ATP-A 3.50	3.5A		0.0377	67.156
ATE / ATP-A 004	4A		0.0309	92.160
ATE / ATP-A 005	5A		0.0152	95.562
ATE / ATP-A 006	6A		0.0135	170.61
ATE / ATP-A 6.30	6.3A		0.0114	186.38
ATE / ATP-A 007	7A		0.0105	221.77
ATE / ATP-A 008	8A		0.0097	314.55
ATE / ATP-A 010	10A		0.0070	504.56

ADL/ADP-A

6.3Ø x 32 mm

Time-Lag Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	**ADL:** 200mA - 10A **ADP-A:** 200mA - 8A
Recognized Compo-nent for Canada and US	**ADL:** 10.1A - 30A **ADP-A:** 8.1A - 30A
CSA Certified	**ADL:** 200mA - 10A **ADP-A:** 200mA - 8A
PSE	**ADL:** 1A - 15A (250V) 1A - 5A (125V / 32V) **ADP-A:** 1A - 15A

Interrupting Rating

200mA - 10A:	10,000 amperes at 125V AC
200mA - 1A:	35 amperes at 250V AC
1.2A - 3.5A:	100 amperes at 250V AC
3.75A - 30A:	200 amperes at 250V AC
10.1A - 30A:	1,000 amperes at 32V AC

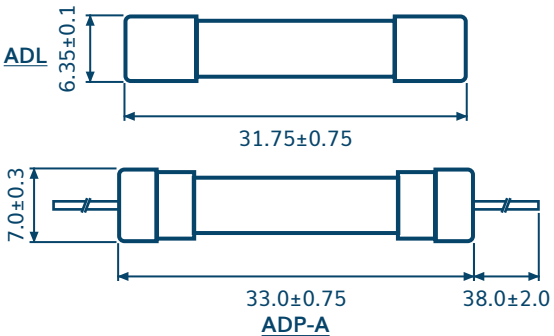
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**ADL:** 500 pcs / box **ADP-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
200mA - 3A	4 hr	1 hr	5 sec	120 sec
3.15A - 30A	4 hr	1 hr	12 sec	120 sec
Above 30A	4 hr	1 hr	12 sec	-

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ADL / ADP-A .200	200mA	250V	6.6545	0.1400
ADL / ADP-A .250	250mA		3.4490	0.1875
ADL / ADP-A .300	300mA		3.1170	0.7477
ADL / ADP-A .315	315mA		2.9595	0.7520
ADL / ADP-A .350	350mA		2.9590	0.9211
ADL / ADP-A .375	375mA		1.9532	1.0078
ADL / ADP-A .400	400mA		1.9175	1.0944
ADL / ADP-A .500	500mA		1.0522	4.5000
ADL / ADP-A .600	600mA		0.7820	5.2000
ADL / ADP-A .630	630mA		0.7300	5.6700
ADL / ADP-A .700	700mA		0.6042	7.0560
ADL / ADP-A .800	800mA		0.5074	10.620
ADL / ADP-A 001	1A		0.3445	16.740
ADL / ADP-A 1.25	1.25A		0.2234	25.290
ADL / ADP-A 1.50	1.5A		0.1947	33.840
ADL / ADP-A 1.60	1.6A		0.1707	37.260
ADL / ADP-A 1.75	1.75A		0.1401	77.220
ADL / ADP-A 002	2A		0.1101	106.56
ADL / ADP-A 2.50	2.5A		0.0822	136.60
ADL / ADP-A 2.80	2.8A		0.0660	142.20
ADL / ADP-A 003	3A		0.0648	202.50
ADL / ADP-A 3.15	3.15A		0.0600	203.10
ADL / ADP-A 3.20	3.2A		0.0585	237.77
ADL / ADP-A 3.50	3.5A		0.0504	340.10
ADL / ADP-A 004	4A		0.0399	360.00
ADL / ADP-A 005	5A		0.0301	498.64
ADL / ADP-A 006	6A		0.0216	857.22
ADL / ADP-A 6.30	6.3A		0.0197	928.35
ADL / ADP-A 007	7A		0.0167	999.48
ADL / ADP-A 7.50	7.5A		0.0163	1323.3
ADL / ADP-A 008	8A		0.0162	1910.1
ADL / ADP-A 010	10A		0.0113	2426.7
ADL / ADP-A 012	12A		0.0082	3393.7
ADL / ADP-A 013	13A		0.0081	4277.7
ADL / ADP-A 015	15A		0.0064	5561.0
ADL / ADP-A 016	16A		0.0063	5760.0
ADL / ADP-A 018	18A		0.0048	6872.4
ADL / ADP-A 020	20A		0.0028	7560.0
ADL / ADP-A 025	25A		0.0034	17663
ADL / ADP-A 030	30A		0.0026	24300

ABB/ABB-A

6.3Ø x 32 mm

Super Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	1A - 30A

Interrupting Rating

1A - 20A:	200 amperes at 500V AC/DC
20.1A - 30A:	100 amperes at 500V AC/DC

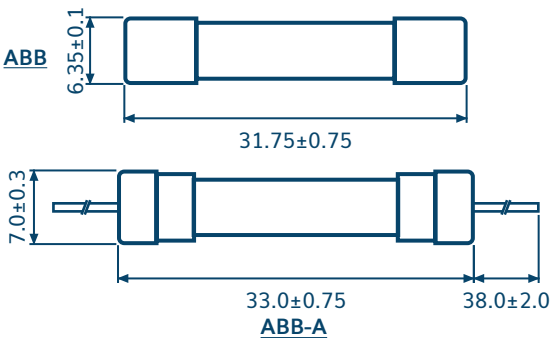
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 14A. Ø1.2 mm for rating above 15A.

Packaging

Packaging Option	Quantity
Bulk	**ABB:** 500 pcs / box **ABB-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2.5 In
	MIN	MAX	MAX
1A - 15A	4 hr	120 sec	0.2 sec
15.1A - 30A	4 hr	300 sec	3 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ABB / ABB-A 001	1A	500V	0.2399	1.1952
ABB / ABB-A 1.60	1.6A		0.1149	2.3454
ABB / ABB-A 002	2A		0.0840	3.8160
ABB / ABB-A 005	5A		0.0503	12.667
ABB / ABB-A 6.30	6.3A		0.0337	31.910
ABB / ABB-A 010	10A		0.0195	98.280
ABB / ABB-A 012	12A		0.0133	164.20
ABB / ABB-A 015	15A		0.0108	253.53
ABB / ABB-A 020	20A		0.0067	464.40
ABB / ABB-A 025	25A		0.0041	1512.0
ABB / ABB-A 030	30A		0.0036	1986.1

ABE

6.3Ø x 32 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
UL Listed	100mA - 15A
UL Recognized	15.1A - 30A
Recognized Component for Canada and US	15.1A - 40A
CSA Certified	100mA - 15A
CSA Acceptance	15.1A - 25A
PSE	5.1A - 15A (250V)

Interrupting Rating

100mA - 20A:	10,000 amperes at 125V AC
100mA - 10A:	750 amperes at 250V DC
100mA - 1A:	35 amperes at 250V AC
1.25A - 3.5A:	100 amperes at 250V AC
3.75A - 10A:	200 amperes at 250V AC
10.1A - 15A:	750 amperes at 250V AC/DC
15.1A - 20A:	750 amperes at 250V AC/DC
20.1A - 30A:	100 amperes at 250V AC 400 amperes at 125V DC 1,000 amperes at 125V AC
30.1A - 40A:	1,000 amperes at 250V AC 400 amperes at 150V DC

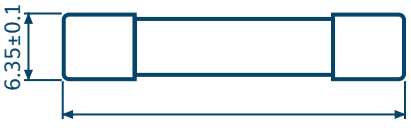
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass

Packaging

Packaging Option	Quantity
Bulk	500 pcs / box

Mechanical Dimensions (mm)



ABE

Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
100mA - 30A	4 hr	1 hr	30 sec
Above 30A	4 hr	1 hr	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ABE .100	100mA	250V	14.600	0.0027
ABE .125	125mA		10.200	0.0042
ABE .150	150mA		7.7000	0.0061
ABE .160	160mA		7.0000	0.0069
ABE .200	200mA		6.0000	0.0108
ABE .250	250mA		3.6150	0.0141
ABE .300	300mA		2.8000	0.0243
ABE .315	315mA		2.3000	0.0267
ABE .350	350mA		2.0000	0.0441
ABE .375	375mA		1.9540	0.0443
ABE .400	400mA		1.4000	0.0720
ABE .500	500mA		0.6879	0.1603
ABE .600	600mA		0.4740	0.2013
ABE .630	630mA		0.4287	0.2143
ABE .700	700mA		0.3500	0.2646
ABE .750	750mA		0.3129	0.3544
ABE .800	800mA		0.2828	0.4032
ABE 001	1A		0.1886	0.7200
ABE 1.25	1.25A		0.1428	1.2713
ABE 1.50	1.5A		0.1132	1.8225
ABE 002	2A		0.1987	5.3880
ABE 2.50	2.5A		0.0794	5.6250
ABE 003	3A		0.0635	7.1280
ABE 3.50	3.5A		0.0538	10.584
ABE 004	4A		0.0329	13.824
ABE 4.50	4.5A		0.0302	27.338
ABE 005	5A		0.0286	33.750
ABE 006	6A		0.0233	58.450
ABE 6.30	6.3A		0.0184	73.514
ABE 007	7A		0.0164	88.200
ABE 7.50	7.5A		0.0143	101.25
ABE 008	8A		0.0124	115.20
ABE 010	10A		0.0105	255.46
ABE 012	12A		0.0086	398.39
ABE 013	13A		0.0085	517.14
ABE 015	15A		0.0061	567.00
ABE 016	16A		0.0060	645.12
ABE 018	18A		0.0055	874.80
ABE 020	20A		0.0044	1283.0
ABE 025	25A		0.0036	2691.0
ABE 030	30A		0.0026	4155.3
ABE 040	40A		0.0016	9100.8

ABP-A

6.3Ø x 32 mm

Fast-Acting Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	100mA - 15A
UL Recognized	15.1A - 30A
Recognized Component for Canada and US	15.1A - 30A
CSA Certified	100mA - 15A
CSA Acceptance	15.1A - 25A
PSE	5.1A - 15A (250V)

Interrupting Rating

100mA - 20A:	10,000 amperes at 125V AC
100mA - 10A:	750 amperes at 250V DC
100mA - 1A:	35 amperes at 250V AC
1.25A - 3.5A:	100 amperes at 250V AC
3.75A - 10A:	200 amperes at 250V AC
10.1A - 15A:	750 amperes at 250V AC/DC
15.1A - 20A:	750 amperes at 250V AC/DC
20.1A - 30A:	100 amperes at 250V AC 400 amperes at 125V DC 1,000 amperes at 125V AC

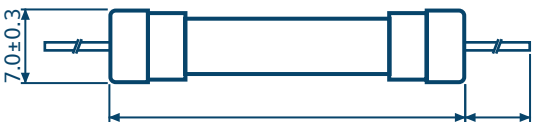
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	250 pcs / box

Mechanical Dimensions (mm)



ABP-A

Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
100mA - 30A	4 hr	1 hr	30 sec
Above 30A	4 hr	1 hr	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ABP-A .100	100mA	250V	14.600	0.0027
ABP-A .125	125mA		10.200	0.0042
ABP-A .150	150mA		7.7000	0.0061
ABP-A .160	160mA		7.0000	0.0069
ABP-A .200	200mA		6.0000	0.0108
ABP-A .250	250mA		3.6150	0.0141
ABP-A .300	300mA		2.8000	0.0243
ABP-A .315	315mA		2.3000	0.0267
ABP-A .350	350mA		2.0000	0.0441
ABP-A .375	375mA		1.9540	0.0443
ABP-A .400	400mA		1.4000	0.0720
ABP-A .500	500mA		0.6879	0.1603
ABP-A .600	600mA		0.4740	0.2013
ABP-A .630	630mA		0.4287	0.2143
ABP-A .700	700mA		0.3500	0.2646
ABP-A .750	750mA		0.3129	0.3544
ABP-A .800	800mA		0.2828	0.4032
ABP-A 001	1A		0.1886	0.7200
ABP-A 1.25	1.25A		0.1428	1.2713
ABP-A 1.50	1.5A		0.1132	1.8225
ABP-A 002	2A		0.1987	5.3880
ABP-A 2.50	2.5A		0.0794	5.6250
ABP-A 003	3A		0.0635	7.1280
ABP-A 3.50	3.5A		0.0538	10.584
ABP-A 004	4A		0.0329	13.824
ABP-A 4.50	4.5A		0.0302	27.338
ABP-A 005	5A		0.0286	33.750
ABP-A 006	6A		0.0233	58.450
ABP-A 6.30	6.3A		0.0184	73.514
ABP-A 007	7A		0.0164	88.200
ABP-A 7.50	7.5A		0.0143	101.25
ABP-A 008	8A		0.0124	115.20
ABP-A 010	10A		0.0105	255.46
ABP-A 012	12A		0.0086	398.39
ABP-A 013	13A		0.0085	517.14
ABP-A 015	15A		0.0061	567.00
ABP-A 016	16A		0.0060	645.12
ABP-A 018	18A		0.0055	874.80
ABP-A 020	20A		0.0044	1283.0
ABP-A 025	25A		0.0036	2691.0
ABP-A 030	30A		0.0026	4155.3

ABF/ABF-A

6.3Ø x 32 mm

Super Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Compo-nent for Canada and US	10A - 30A
TUV	16A - 30A

Interrupting Rating

10A - 12A:	20,000 amperes at 450V AC 1,000 amperes at 250V DC
16A - 25A:	10,000 amperes at 600V DC 50,000 amperes at 500V AC 20,000 amperes at 500V DC
30A:	50,000 amperes at 500V AC 20,000 amperes at 500V DC

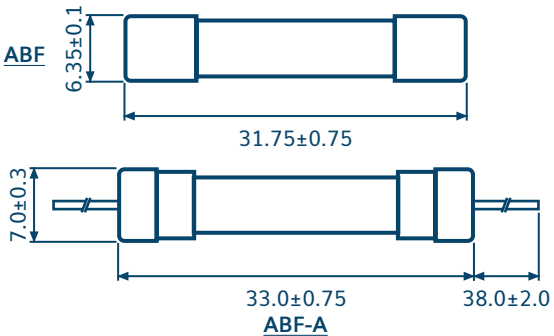
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 19A and less. Ø1.0 mm for rating above 20A to 30A

Packaging

Packaging Option	Quantity
Bulk	**ABF:** 500 pcs / box **ABF-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time		
	1.5 In	2 In	3 In
	MAX	MAX	MAX
10A - 30A	30 min	30 min	10 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ABF / ABF-A 010	10A	450V / 250V	0.0166	111.50
ABF / ABF-A 012	12A		0.0119	198.10
ABF / ABF-A 016	16A	500V / 600V	0.0066	92.500
ABF / ABF-A 020	20A		0.0054	136.70
ABF / ABF-A 025	25A		0.0041	248.00
ABF / ABF-A 030	30A	500V	0.0036	322.00

ADA/APA-A

6.3Ø x 32 mm

Time-Lag Fuse

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	**ADA:** 100mA - 20A **APA-A:** 100mA - 15A
UL Recognized	**APA-A only:** 15.1A - 20A
Recognized Component for Canada and US	20.1A - 30A
CSA Certified	100mA - 15A
CSA Acceptance	15.1A - 20A
PSE	5.1A - 15A (250V)

Interrupting Rating

100mA - 30A:	10,000 amperes at 125V AC
100mA - 1A:	35 amperes at 250V AC
1.25A - 3.5A:	100 amperes at 250V AC
3.75A - 10A:	200 amperes at 250V AC
10.1A - 15A:	750 amperes at 250V AC
15.1A - 20A:	1,500 amperes at 250V AC **(ADA)** 400 amperes at 250V AC **(APA-A)**
20.1A - 30A:	1,500 amperes at 250V AC 10,000 amperes at 125V DC

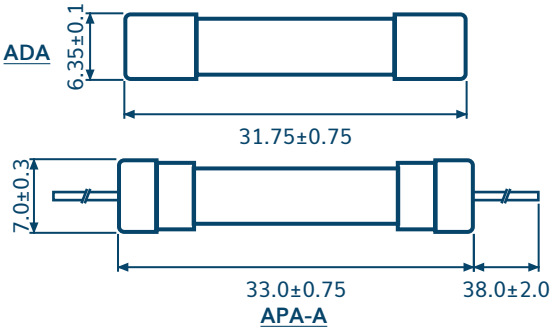
Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass
Leads Wire	Ø0.8 mm 12A and less. Ø1.0 mm for rating above 13A to 19A. Ø1.2 mm for rating above 20A.

Packaging

Packaging Option	Quantity
Bulk	**ADA:** 500 pcs / box **APA-A:** 250 pcs / box

Mechanical Dimensions (mm)



Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	2 In	
	MIN	MAX	MIN	MAX
100mA - 30A	4 hr	1 hr	2 sec	120 sec

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I^2t (A^2 sec.)
ADA / APA-A .100	100mA	250V	16.570	0.0200
ADA / APA-A .125	125mA		10.705	0.0313
ADA / APA-A .150	150mA		9.5450	0.0563
ADA / APA-A .160	160mA		8.3850	0.0640
ADA / APA-A .175	175mA		7.2250	0.0766
ADA / APA-A .180	180mA		6.0650	0.0879
ADA / APA-A .200	200mA		4.9050	0.1400
ADA / APA-A .250	250mA		4.3940	0.1875
ADA / APA-A .300	300mA		3.8881	0.7477
ADA / APA-A .315	315mA		3.8821	0.7520
ADA / APA-A .350	350mA		2.8762	0.9211
ADA / APA-A .375	375mA		2.2000	1.0078
ADA / APA-A .400	400mA		1.5237	1.0944
ADA / APA-A .500	500mA		0.8705	4.5000
ADA / APA-A .600	600mA		0.5779	0.4970
ADA / APA-A .700	700mA		0.4208	0.7610
ADA / APA-A .750	750mA		0.3801	0.9455
ADA / APA-A .800	800mA		0.3425	1.3788
ADA / APA-A 001	1A		0.2394	2.4644
ADA / APA-A 1.25	1.25A		0.1667	5.3063
ADA / APA-A 1.50	1.5A		0.1234	7.5265
ADA / APA-A 1.60	1.6A		0.1126	11.748
ADA / APA-A 002	2A		0.1993	7.8624
ADA / APA-A 2.50	2.5A		0.1208	11.674
ADA / APA-A 003	3A		0.0885	16.061
ADA / APA-A 3.50	3.5A		0.0823	28.190
ADA / APA-A 004	4A		0.0592	40.320
ADA / APA-A 4.50	4.5A		0.0453	56.984
ADA / APA-A 005	5A		0.0401	73.647
ADA / APA-A 006	6A		0.0308	116.96
ADA / APA-A 6.30	6.3A		0.0293	117.30
ADA / APA-A 007	7A		0.0156	119.50
ADA / APA-A 008	8A		0.0132	150.00
ADA / APA-A 010	10A		0.0098	270.00
ADA / APA-A 012	12A		0.0080	417.32
ADA / APA-A 013	13A		0.0076	587.91
ADA / APA-A 015	15A		0.0054	777.44
ADA / APA-A 020	20A		0.0043	1296.0
ADA / APA-A 025	25A		0.0030	2715.8
ADA / APA-A 030	30A		0.0024	4446.1

ACF/ACF-A

7.0Ø x 32.5 mm

Fast-Acting Fuse

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	**ACF:** 35A - 40A **ACF-A:** 35A - 40A
TUV	**ACF:** 35A - 40A

Interrupting Rating

35A - 40A:	10,000 amperes at 500V AC 10,000 amperes at 500V DC 25,000 amperes at 500V AC 25,000 amperes at 500V DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	**ACF:** Body: Ceramic / Caps: Tin Plated Copper Alloy **ACF-A:** Body: Ceramic / Caps: Nickel Plated Copper Alloy/ Terminal: Tinned Copper Wire

Packaging

Packaging Option	Quantity
Bulk	**ACF:** 70 pcs / tray 26 tray / carton **ACF-A:** 250 pcs / box

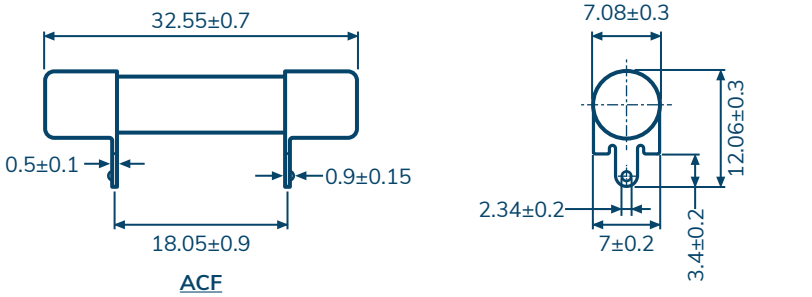
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	2 In	10 In
	MIN	MAX	MAX
35A - 40A	4 hr	4 min	1 sec

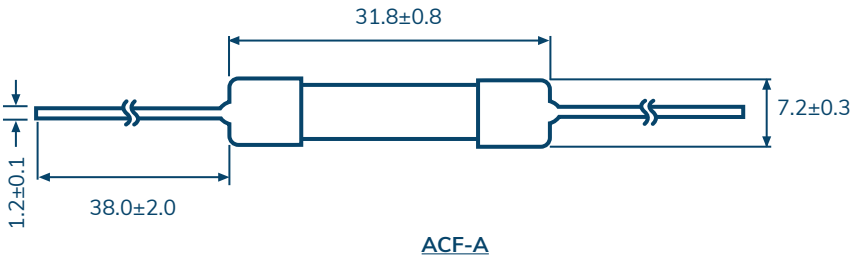
Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec.)
ACF 035	35A	500V	0.00328	485
ACF 040	40A		0.00265	664

Clearing I²t (A² sec.) at 10 kA / 500 Vac

Mechanical Dimensions (mm)



ACF



ACF-A

AUE

10.3Ø x 38.1 mm

RoHS

Agency Approvals

Agency	Ampere Rating
UL Listed	500mA - 3.5A
UL Recognized	4A - 30A
Recognized Component for Canada and US	30.1A - 60A
CSA Certified	500mA - 30A

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Glass / Caps: Nickel Plated Brass Option: Nickel Plated / Gold Plated Available
Ampere Rating	500mA to 80 A
Voltage Rating	250V and less

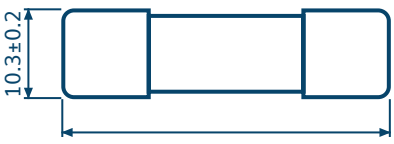
Electrical Characteristics

Ampere Rating	Opening Time			
	1 In	1.35 In	1.5 In	2 In
	MIN	MAX	MAX	MAX
500mA - 30A	4 hr	1 hr	-	120 sec
Above 30A	4 hr	-	1 hr	120 sec

Packaging

Packaging Option	Quantity
Bulk	150 pcs / box

Mechanical Dimensions (mm)



AUE

AUB

10.3Ø x 38.1 mm

RoHS

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic / Caps: Nickel Plated Brass Option: Nickel Plated Available
Ampere Rating	500mA to 80A
Voltage Rating	600V and less

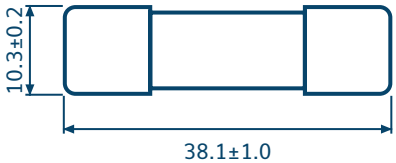
Electrical Characteristics

Ampere Rating	Opening Time		
	1 In	1.35 In	2 In
	MIN	MAX	MAX
500mA - 80A	4 hr	1 hr	120 sec

Packaging

Packaging Option	Quantity
Bulk	150 pcs / box

Mechanical Dimensions (mm)

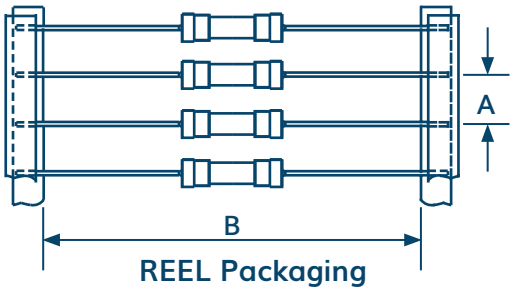


AUB

Ordering Options

Tape/Reel Specifications

Fuse Type	A (Pitch)	B (Tape Width)
2.8 x 7.1 mm	5 mm	53.0 mm
3.18 x 7.1 mm	5 mm	53.0 mm
3.6 x 10 mm	10 mm	56.5 mm
4.5 x 14.5 mm	10 mm	56.5 mm
5 x 20 mm	10 mm	52.0 mm
6 x 30 mm	10 mm	56.5 mm



To order, please specify "TR" after part number, (i.e. GST-A 1A 250V TR)

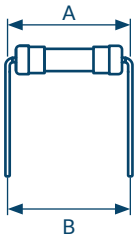
Radial Lead Forming Dimensions

Pig Tail Shapes*	Fuse Sizes							
	3.6 x 10 mm		4.5 x 14.5 mm		5 x 20 mm		6 x 30 mm	
	A**	B**	A**	B**	A**	B**	A**	B**
AL	13.8	13.8	18.0	18.0	25.0	25.0	35.0	35.0
AR	16.0	12.5	18.0	15.0	25.0	20.0	35.0	30.0
AK	-	-	18.0	16.0	26.0	21.5	36.0	32.0
AU	24.0	6.0	-	-	31.5	5.8	-	-
AUR	23.5	6.5	-	-	32.6	6.5	-	-
AUK	20.5	5.0	-	-	31.3	6.0	-	-

* To order, please specify "AL", "AR", "AK", or "AU" (i.e. GST-AL 1A 250V)

** Different values of A & B are available. Please contact factory for details.

AL



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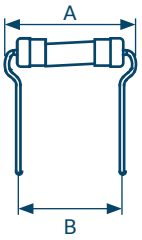

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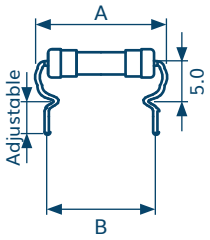
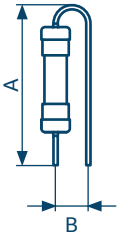
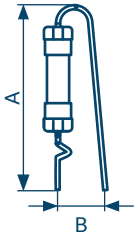


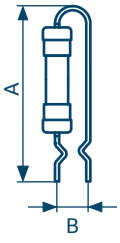
AU



AUR



AUK



HEAT SHRINK SLEEVE TUBING:

- Pig-tail fuses are available with heat-shrink tubing covering the fuse body.
- Tubing prevents contact with live parts, prevents shorting to circuit traces, and permits safe installation in tight spaces.
- Insulating tubing with ul listed and csa certified approval.