Electronic - PC Board and Small Dimension Fuses & Accessories

Section Contents

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5 x 15mm Ferrule Fuses

C515 (axial leads)

C519

Specifications
Description: Time-delay fuse.
Dimensions: 5 x 15mm (0.197" X 0.591").
Construction: Glass tube.
Ratings:

Volts — 125Vac (3.5-7A)
— 250Vac (125mA-3A)
— 32Vdc (Self Certified)
Amps — 125mA-7A
IR — 25A (350mA @ 600Vac)
— 35A (125mA-1A @ 250Vac)
— 100A (1.25-3A @ 250Vac)
— 400A (3.5-7A @ 125Vac)
— 10kA (125mA-3A @ 125Vac)

RoHS

Agency Information: CE, UL Listed File E19180, Guide JDYX 125mA-250mA and 375mA-3A, UL Recognized, File E19180, Guide JDYX2, 350mA and 3.5A-7A, CSA Certification File 53787, Class 1422-01, 125mA-250mA and 375mA-3A.

Features and Benefits
- Time-delay for closer sizing on inductive circuits.

Typical Application
- Electronic Circuits
- Printed Circuit Boards

Catalog Numbers (Amps)

With Axial Leads		
C515-125-R	C515-800-R	C515-2.5-R
C515-250-R	C515-1-R	C515-3-R
C515-350-R	C515-1.25-R	C515-3.5-R
C515-375-R	C515-1.5-R	C515-4-R
C515-500-R	C515-1.6-R	C515-5-R
C515-600-R	C515-2-R	C515-6-R
C515-750-R	C515-2.25-R	C515-7-R
Without Axial Leads		
C519-125-R	C519-750-R	C519-2.25-R
C519-250-R	C519-1-R	C519-2.5-R
C519-350-R	C519-1.25-R	C519-3-R
C519-375-R	C519-1.5-R	C519-3.5-R
C519-500-R	C519-1.6-R	C519-4-R
C519-600-R	C519-2-R	C519-5-R

Data Sheet: 2006 (C515) & 2007 (C519)

C518 (axial leads)

C520

Specifications
Description: Fast-acting fuse.
Dimensions: 5 x 15mm (0.197" X 0.591").
Construction: Glass tube.
Ratings:

Volts — 250Vac
— 32Vdc (Self Certified)
Amps — 100mA-5A
IR — 35A (100mA-750mA @ 250Vac)
— 10kA (100mA-5A @ 125Vac)
— 100A (1.5-3.5A @ 250Vac)
— 200A (4-5A @ 250Vac)

RoHS

Agency Information: CE, UL Recognized File E19180, Guide JDYX2CSA Certification File 53787, Class 1422-01.

Features and Benefits
- Small footprint saves space in equipment.
- Fast-acting for maximum component protection.
- Available in ferrule and axial leaded configurations

Typical Applications
- Electronic Circuits
- Printed Circuit Boards

Catalog Numbers (Amps)

With Axial Leads		
C518-100-R	C518-750-R	C518-4-R
C518-125-R	C518-2-R	C518-5-R
C518-250-R	C518-2.5-R	
C518-375-R	C518-3-R	
C518-500-R	C518-3.5-R	
Without Axial Leads		
C520-100-R	C520-750-R	C520-3.5-R
C520-125-R	C520-1.5-R	C520-4-R
C520-250-R	C520-2-R	C520-5-R
C520-375-R	C520-2.5-R	
C520-500-R	C520-3-R	

Data Sheet: 2026 (C518) & 2027 (C520)

C517 (axial leads)

Specifications
Description: Fast-acting fuse.
Construction: Glass tube.
Ratings:

Volts — 350Vac*
— 32Vdc (Self Certified)
Amps — 3A
IR — 100A @ 350Vac
— 100A @ 250Vac
— 10kA @ 125Vac

RoHS

*350Vac/100A IR is UL Recognized

Agency Information: CE, UL Listing File E19180, Guide JDYX, CSA Certification File 53787, Class 1422-01, UL Recognized, File E19180, Guide JDYX2.
- Small footprint saves space in equipment.
- Fast-acting for maximum component protection.
- 350Vac rating for 277V ballast circuit protection.

Typical Applications
- Electronic Circuits
- Printed Circuit Boards
- Electronic Ballast Protection

Catalog Number (Amps)
With Axial Leads
C517-3-R

Data Sheet: 2025

5 x 20mm European (IEC) Ferrule Fuses

S500-V (GDB-V)* (axial leads)

S500 (GDB)*

Specifications

Description: Fast-acting, low-breaking capacity fuse.

Construction: Glass tube, nickel-plated brass endcaps (silver-plated end-caps, 32-125mA).

Ratings:

RoHS

Volts — 250Vac (or less)
— 32Vdc (Self Certified)

Amps — 32mA-10A

IR — See catalog table

Agency Information: CE, cURus, SEMKO, VDE, BSI, IMQ, CCC.
See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and Benefits

- Fast-acting for maximum protection, conforms to IEC 60127-2 (160mA-10A).

Typical Applications

- Electronic Circuits

Catalog Numbers (Amps)

Catalog Numbers	IR (Amps)	I^2t	Max Voltage Drop (mV)
S500-32-R	35	0.000047	3200
S500-40-R	35	0.00011	2500
S500-50-R	35	0.00020	2400
S500-63-R	35	0.00057	2000
S500-80-R	35	0.0012	1200
S500-100-R	35	0.003	1100
S500-125-R	35	0.005	1000
S500-160-R	35	0.008	2000
S500-200-R	35	0.016	1700
S500-250-R	35	0.028	1400
S500-315-R	35	0.058	1300
S500-400-R	35	0.018	1100
S500-500-R	35	0.018	220
S500-630-R	35	0.035	220
S500-800-R	35	0.067	190
S500-1-R	35	0.60	200
S500-1.25-R	35	0.84	200
S500-1.6-R	35	1.6	190
S500-2-R	35	4.2	150
S500-2.5-R	35	6.1	150
S500-3.15-R	35	13	130
S500-4-R	40	22	130
S500-5-R	50	42	120
S500-6.3-R	63	69	120
S500-8-R	80	-	120
S500-10-R	100	—	120

Options

Axial leads, put “V” in P/N,
*When ordering GDB version, do not add “-R” suffix to part number.

Data Sheet: 2052 (S500), 2015 (GDB)

S501-V (GDA-V)* (axial leads)

S501 (GDA)*

Specifications

Description: Fast-acting, high-breaking capacity fuse.

Construction: Ceramic tube, nickel-plated brass endcaps (silver-plated endcaps 50mA-400mA).

Ratings:

RoHS

Volts — 250Vac (or less)
— 32Vdc (Self Certified)

Amps — 50mA-10A**

IR — 1500A @ 250Vac

Agency Information: CE, cURus, SEMKO, VDE, IMQ, CCC, CSA, BSI.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and Benefits

- Fast-acting for maximum protection.
- High break capacity for use in higher fault energy electronic circuitry.
- Conforming to IEC standards.

Typical Applications

- Electronic Circuits

Catalog Numbers (Amps)

Catalog Numbers	I^2t	Typical Voltage Drop (mV)
S501-50-R	0.0017	9000
S501-63-R	0.0005	3300
S501-80-R	0.0011	2600
S501-100-R	0.0018	2300
S501-125-R	0.0037	1900
S501-160-R	0.008	1600
S501-200-R	0.020	1350
S501-250-R	0.027	1300
S501-315-R	0.010	1400
S501-400-R	0.018	1200
S501-500-R	0.038	1050
S501-630-R	0.064	1200
S501-800-R	0.097	490
S501-1-R	0.146	330
S501-1.25-R	0.313	297
S501-1.6-R	0.748	239
S501-2-R	2.0	205
S501-2.5-R	3.9	190
S501-3.15-R	8.1	160
S501-4-R	14	160
S501-5-R	25	155
S501-6.3-R	48	150
S501-8-R	N/A	N/A
S501-10-R	N/A	N/A

Options

Axial leads, put “V” in P/N.
*When ordering GDA version, do not add “-R” suffix to part number.
**GDA is not available above 6.3A.

Data Sheet: 2051 (S501), 2014 (GDA)

S505-V (axial leads)

S505

Specifications

Description: Time-delay, high-breaking capacity fuse.

Construction: Ceramic tube, silver-plated brass endcaps.

Ratings:

RoHS

Volts — 250Vac (or less)
— 32Vdc (Self Certified)

Amps — 500mA-12A

IR — 1500A @ 250Vac

Agency Information: UL, CSA, SEMKO, VDE, BSI, IMQ, PSE/JET, CCC, EK, FIMKO.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and Benefits

- Time-delay performance ideal for inductive circuits.
- Conforming to IEC standards.

Typical Applications

- Electronic Circuits

Catalog Numbers (Amps)

Catalog Numbers	Typical I^2t	Max Voltage Drop (mV)
S505-500-R	0.188*	295
S505-800-R	0.632*	189
S505-1-R	1.28	152.5
S505-1.25-R	2.22	150
S505-1.6-R	6.78	125
S505-2-R	9.60	118.5
S505-2.5-R	16.60	115
S505-3.15-R	36.60	102.5
S505-4-R	38.45*	86.5
S505-5-R	71.30*	77.5
S505-6.3-R	197	75
S505-8-R	311	75
S505-10-R	397	72
S505-12-R	713.7*	77

*The typical I^2t value was measured at 10 times of rated current under DC.

Options

Axial leads, put “V” in P/N.

Data Sheet: 2037

5 x 20mm European (IEC) Ferrule Fuses

S505H (S505H-V)* (axial leads)

Specifications

Description: Time-delay, high-breaking capacity fuse.

Construction: Ceramic tube, nickel-plated brass endcaps.

Ratings:

Volts — 600Vac/400Vdc
— 500mA-5A
— 6.3A-10A
— 500Vac/400Vdc
Amps — 500mm-10A
IR — 35A @ 250Vac

RoHS

Agency Information: cURus, CCC, CQC, TUV, PSE/JET.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and Benefits

- Time-delay, high breaking capacity
- Conforming to IEC standards

Typical Applications

- Power supplies - adapters
- Desktops/notebooks

Catalog Numbers (Amps)

Catalog Numbers	Typical I^2t (A^2s)[1]	Max Voltage Drop (mV)[3]
S505H-500-R	0.188	295
S505H-800-R	0.632	189
S505H-1-R	1.28	153
S505H-1.25-R	2.22	150
S505H-1.6-R	6.78	125
S505H-2-R	11.44	128
S505H-2.5-R	24.23	126
S505H-3.15-R	43.55	121
S505H-4-R	38.45	90
S505H-5-R	71.3	89
S505H-6.3-R	111.4	80
S505H-8-R	228.2	76
S505H-10-R	349.5	72

1. Typical Pre-Arc I^2t: Measured at $10I_n$ DC.
2. - Breaking Capacity of 250VAC/1500A is tested by all agency approvals, test condition is 250Vac, PF: 0.7-0.8.
   - Breaking Capacity of Max. voltage is tested by UL, PF:1.
   - Breaking Capacity Test of DC is tested by UL under Capacitor Bank 4800mF (for 400V, 1500A) 2400mF (for 400V, 500A).
3. Typical Voltage Drop: Voltage drop is measured under ambient 20°C with rated current.

Options

Axial leads, put "V" in P/N.

Data Sheet: 4406

S506-V (GDC-V)* (axial leads)
S506 (GDC)*

Specifications

Description: Time-delay, low-breaking capacity fuse.

Construction: Glass tube, nickel-plated brass endcaps.

Ratings:

Volts — 250Vac (or less)
— 32Vdc (Self Certified)
Amps — 32mA-15A**
IR — 35A @ 250Vac

RoHS

Agency Information: UR, CSA, cURus, SEMKO, VDE, BSI, IMQ, PSE/JET, CCC.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and Benefits

- Time-delay compatibility for inductive circuits
- Conforming to IEC standards

Typical Applications

- Electronic Circuits

Catalog Numbers (Amps)

Catalog Numbers	Typical I^2t	Max Voltage Drop (mV)
S506-32-R	0.0051	1050
S506-40-R	0.0072	920
S506-50-R	0.0095	800
S506-63-R	0.021	760
S506-80-R	0.038	580
S506-100-R	0.045	490
S506-125-R	0.063	390
S506-160-R	0.093	320
S506-200-R	0.114	340
S506-250-R	0.265	270
S506-315-R	0.621	250
S506-400-R	0.872	210
S506-500-R	0.827	140
S506-630-R	1.33	150
S506-800-R	2.78	75
S506-1-R	6.45	87.5
S506-1.25-R	10.05	86
S506-1.6-R	21.7	82
S506-2-R	31.6	77
S506-2.5-R	59.4	72.5
S506-3.15-R	96.4	68.5
S506-4-R	71.8	67
S506-5-R	142.5	60.5
S506-6.3-R	237.6	54
S506-8-R	255.8	55
S506-10-R	450	54
S506-12.5-R	1019.5	45
S506-15-R	1091.7	65.5

Options

Axial leads, put "V" in P/N.
*When ordering GDC version, do not add "-R" suffix to part number.
**GDC series is not available above 6.3A.

Data Sheet: 2016 (GDC), 4332 (S506)

5 x 20mm North American (UL) Ferrule Fuses

GMA-V (axial leads)

GMA

Specifications
Description: Fast-acting fuse.
Dimensions: 5 x 20mm (0.197" x 0.788").
Construction: Glass tube, nickel-plated brass endcaps.

RoHS

Ratings:

Volts — 250Vac (63mA-2.5A)
— 125Vac (3.15-15A)
— 32Vdc (Self Certified)
Amps — 63mA-15A
IR — 35A (63mA- 1A @ 250Vac, p.f. = 0.7-0.8)
— 10kA (63mA-6A @ 125Vac, p.f. = 0.7-0.8)
— 100A (1.25-2.5A @ 250Vac, p.f. = 0.7-0.8)
— 200A (7-8A @ 125Vac, p.f. = 1.0)
— 150A (10-15A @ 125Vac, p.f. = 1.0)

Agency Information: CE, Std. 248-14 UL Listed Guide JDYX, File E19180, 0-6A, UL Recognized, Guide JDYX2, File E19180, 7-15A, CSA Certified, Class 1422-01,File 53787, 0-6.

Features and Benefits
- Fast-acting for maximum protection.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads		
GMA-V-63-R	GMA-V-800-R	GMA-V-4-R
GMA-V-100-R	GMA-V-1-R	GMA-V-5-R
GMA-V-125-R	GMA-V-1.25-R	GMA-V-6-R
GMA-V-200-R	GMA-V-1.5-R	GMA-V-7-R
GMA-V-250-R	GMA-V-1.6-R	GMA-V-8-R
GMA-V-300-R	GMA-V-2-R	GMA-V-10-R
GMA-V-500-R	GMA-V-2.5-R	GMA-V-15-R
GMA-V-600-R	GMA-V-3.15-R	
GMA-V-750-R	GMA-V-3.5-R	
Without Axial Leads		
GMA-63-R	GMA-800-R	GMA-4-R
GMA-100-R	GMA-1-R	GMA-5-R
GMA-125-R	GMA-1.25-R	GMA-6-R
GMA-200-R	GMA-1.5-R	GMA-7-R
GMA-250-R	GMA-1.6-R	GMA-8-R
GMA-300-R	GMA-2-R	GMA-10-R
GMA-500-R	GMA-2.5-R	GMA-15-R
GMA-600-R	GMA-3.15-R	
GMA-750-R	GMA-3.5-R	

Data Sheet: 2017

GMC-V (axial leads)

GMC

Specifications
Description: Medium time-delay fuse.
Dimensions: 5 x 20mm (0.197" x 0.788").
Construction: Glass tube, nickel-plated brass endcaps.

RoHS

Ratings:

Volts — 250Vac (63mA-3.15A)
— 125Vac (3.5-10A)
— 32Vdc (Self Certified)
Amps — 63mA-10A
IR — 35A (63mA- 1A @ 250Vac, p.f. = 0.7-0.8)
— 10kA (63mA-6A @ 125Vac, p.f. = 0.7-0.8)
— 100A (1.25-3.15A @ 250Vac, p.f. = 0.7-0.8)
— 200A (6.3-10A @ 125Vac, p.f. = 1.0)

Agency Information: CE, Std. 248-14, UL Listed Guide JDYX, File E19180, 0-6.3A, UL Recognized, Guide JDYX2, File E19180, 7-8A, CSA Certified, Class 1422-01, File 53787, 0-6.3A.

Features and Benefits
- Conforming to UL standards.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads		
GMC-V-63-R	GMC-V-500-R	GMC-V-2.5
GMC-V-80-R	GMC-V-600-R	GMC-V-3.15
GMC-V-100-R	GMC-V-630-R	GMC-V-3.5
GMC-V-125-R	GMC-V-750-R	GMC-V-4
GMC-V-150-R	GMC-V-800-R	GMC-V-5
GMC-V-200-R	GMC-V-1-R	GMC-V-6
GMC-V-250-R	GMC-V-1.25-R	GMC-V-6.3
GMC-V-300-R	GMC-V-1.5-R	GMC-V-7
GMC-V-315-R	GMC-V-1.6-R	GMC-V-8
GMC-V-400-R	GMC-V-2-R	GMC-V-10
Without Axial Leads		
GMC-63mA	GMC-500-R	GMC-2.5-R
GMC-80mA	GMC-600-R	GMC-3.15-R
GMC-100mA	GMC-630-R	GMC-3.5-R
GMC-125mA	GMC-750-R	GMC-4-R
GMC-150mA	GMC-800-R	GMC-5-R
GMC-200mA	GMC-1-R	GMC-6-R
GMC-250mA	GMC-1.25-R	GMC-6.3-R
GMC-300mA	GMC-1.5-R	GMC-7-R
GMC-315mA	GMC-1.6-R	GMC-8-R
GMC-400mA	GMC-2-R	GMC-10-R

Data Sheet: 4395

GMD-V (axial leads)

GMD

Specifications
Description: Time-delay fuse.
Dimensions: 5 x 20mm (0.197" x 0.788").
Construction: Glass tube, nickel-plated brass endcaps.

RoHS

Ratings:

Volts — 250Vac
— 32Vdc (Self Certified)
Amps — 125mA-4A
IR — 10kA (125mA-3A @ 125Vac, p.f. = 0.7-0.8)
— 10kA (4A @ 125Vac, p.f. = 1.0)
— 35A (125mA-1A @ 250Vac, p.f. = 0.7-0.8)
— 100A (1.2A-3.A @ 250Vac, p.f. = 0.7-0.8)
— 200A (4A @ 250Vac, p.f. = 1.0)

Agency Information: CE, UL Listed Guide JDYX, File E19180, 125mA-3A, UL Recognized, Guide JDYX2, File E19180, 4A, CSA Certified, Class 1422-01, File 53787, 0-4A, PSE/JET. File 1641-31003-1001, 1.2A-4A.

Features and Benefits
- Time-delay compatibility for inductive circuits.
- Conforming to UL standards.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads		
GMD-V-125-R	GMD-V-500-R	GMD-V-1.5-R
GMD-V-150-R	GMD-V-600-R	GMD-V-1.6-R
GMD-V-200-R	GMD-V-630-R	GMD-V-2-R
GMD-V-250-R	GMD-V-750-R	GMD-V-2.5-R
GMD-V-300-R	GMD-V-800-R	GMD-V-3-R
GMD-V-315-R	GMD-V-1-R	GMD-V-4-R
GMD-V-375-R	GMD-V-1.2-R	
GMD-V-400-R	GMD-V-1.25-R	
Without Axial Leads		
GMD-125-R	GMD-500-R	GMD-1.5-R
GMD-150-R	GMD-600-R	GMD-1.6-R
GMD-200-R	GMD-630-R	GMD-2-R
GMD-250-R	GMD-750-R	GMD-2.5-R
GMD-300-R	GMD-800-R	GMD-3-R
GMD-315-R	GMD-1-R	GMD-4-R
GMD-375-R	GMD-1.2-R	
GMD-400-R	GMD-1.25-R	

Data Sheet:2019

¼″ Dia. x ⅝″ to 1″ Length Ferrule Fuses

AGA

Specifications
Description: Fast-acting fuse.
Dimensions: ¼″ x ⅝″ (6.4 x 15.9mm).
Construction: Glass tube.
Ratings:
Volts — 125Vac (or less)
— 32Vdc (Self Certified)
Amps — 1-30A
IR — 10kA (1-1½A @ 125Vac)
— 200A (2-5A @ 125Vac)
— 1000A (6-30A @ 32Vac)
Agency Information: CE, Std. 248-14, UL File E19180, UL Listed, Guide JDYX 0-3½A UL Recognized, Guide JDYX2 12-30A.

Features and Benefits
- Fast-acting for maximum protection.
- Size rejects insertion of other fuse types.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

AGA-1	AGA-5	AGA-15
AGA-1-½	AGA-6	AGA-20
AGA-2	AGA-7	AGA-25
AGA-2-½	AGA-7-½	AGA-30
AGA-3	AGA-10	

Data Sheet: 2039

AGW

Specifications
Description: Fast-acting fuse.
Dimensions: ¼″ x ⅞″ (6.4 x 22.2mm).
Construction: Glass tube.
Ratings:
Volts — 32Vac
— 32Vdc (Self Certified)
Amps — 1-30A

Features and Benefits
- Fast-acting for maximum protection.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

AGW-1	AGW-4	AGW-15
AGW-1-½	AGW-5	AGW-20
AGW-2	AGW-6	AGW-25
AGW-2-½	AGW-7-½	AGW-30
AGW-3	AGW-10	

Data Sheet: 2040

AGX

Specifications
Description: Fast-acting fuse.
Dimensions: ¼″ x 1″ (6.4 x 25.4mm).
Construction: Glass tube.
Ratings:
Volts — 250Vac (1/16-20A)
— 125Vac (25-30A)
— 32Vdc (1/16-30A)
Amps — 1/16-30A
IR — 35A (1/16-1A @ 250Vac)
— 10kA (1/16-10A @ 125Vac)
— 200A (15-20A @ 125Vac)
— 100A (25-30A @ 125Vac)
— 1000A (8-30A @ 32Vac)
Agency Information: cULus: AGX 0-10A (Guide JDYX, File E 19180 and Guide JDYX7, File E19180), UL Recognized Card: AGX 15-30A (Guide JDYX2, File E19180), CSA Component Acceptance Card : AGX 15-30A (Class No. 1422-01, File 53787)

Features and Benefits
- Size rejects insertion of other fuse types.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

AGX-¼	AGX-1-½	AGX-8
AGX-3/10	AGX-2	AGX-10
AGX-⅜	AGX-2-½	AGX-15
AGX-4/10	AGX-3	AGX-20
AGX-½	AGX-4	AGX-25
AGX-¾	AGX-5	AGX-30
AGX-1	AGX-6	
AGX-1-¼	AGX-7	

Data Sheet: 2041

¼″ Dia. x 1 ¼″ Length Fast-acting Ferrule Fuses

AGC (AGC-V axial leads)

Specifications
Description: Fast-acting fuse.
Dimensions: ¼″ x 1 ¼″ (6.4 x 31.7mm).
Construction: Glass tube with nickel-plated brass endcaps.
Ratings:
Volts — 250Vac (1/20-10A)
— 32Vac (12-30A)
— 32Vdc (Self Certified)
Amps — 1/20-30A
IR — 35A (1/20-1A @ 250Vac)
— 100A (1¼-3A @ 250Vac)
— 200A (4-10A @ 250Vac)
— 10kA (1/20-10A @ 125Vac)
— 1000A (12-30A @ 32Vac)

RoHS

Agency Information: CE, UL Listed, Guide JDYX, File E19180, 0-10A UL Recognized, Guide JDYX2, File E19180, 12-30A CSA Certification, Class 1422-01, File 053787, 1/20-30A.

Features and Benefits
- Original electronic glass tube fuse.
- Fast-acting for maximum protection.
- Wide amp/volt ratings allow versatility of protecting electronic circuits.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads

AGC-V-1/20-R	AGC-V-1-¼-R	AGC-V-8-R
AGC-V-1/10-R	AGC-V-1-½-R	AGC-V-9-R
AGC-V-⅛-R	AGC-V-2-R	AGC-V-10-R
AGC-V-3/16-R	AGC-V-2-¼-R	AGC-V-12-R
AGC-V-3/10-R	AGC-V-2-½-R	AGC-V-14-R
AGC-V-¼-R	AGC-V-3-R	AGC-V-15-R
AGC-V-3/10-R	AGC-V-4-R	AGC-V-20-R
AGC-V-⅜-R	AGC-V-5-R	AGC-V-25-R
AGC-V-½-R	AGC-V-6-R	AGC-V-30-R
AGC-V-¾-R	AGC-V-7-R	
AGC-V-1-R	AGC-V-7-½-R	

Without Axial Leads

AGC-1/20-R	AGC-1-¼-R	AGC-8-R
AGC-1/10-R	AGC-1-½-R	AGC-9-R
AGC-⅛-R	AGC-2-R	AGC-10-R
AGC-3/16-R	AGC-2-¼-R	AGC-12-R
AGC-3/10-R	AGC-2-½-R	AGC-14-R
AGC-¼-R	AGC-3-R	AGC-15-R
AGC-3/10-R	AGC-4-R	AGC-20-R
AGC-⅜-R	AGC-5-R	AGC-25-R
AGC-½-R	AGC-6-R	AGC-30-R
AGC-¾-R	AGC-7-R	
AGC-1-R	AGC-7-½-R	

Data Sheet: 2001

ABC (ABC-V axial leads)

Specifications
Description: Fast-acting fuse.
Dimensions: ¼″ x 1 ¼″ (6.4 x 31.7mm).
Construction: Ceramic tube with nickel-plated brass endcaps.
Ratings:
Volts — 250Vac/125Vdc (¼-15A, 20-30A)*
— 250Vac (18A)
— 32Vdc (Self Certified)
Amps — ¼-30A
IR** — 35A (¼-1A @ 250Vac)
— 100A (1½-3A @ 250Vac)
— 200A (4-10A @ 250Vac)
— 750A (12-15A @ 250Vac)
— 400A (18-20A @ 250Vac)
— 10kA (¼-15A @ 125Vac)
— 1kA (18-30A @ 125Vac)
— 10kA (¼-15, 20A @ 125Vdc)
— 400A (25-30A @ 125Vdc)
— 200A (25-30A @ 250Vac)

RoHS

*CSA approvals for 25A and 30A are at 125Vac – IR 1000A and Vdc – IR 400A (IR 1000A at 75Vdc)
**Interrupting ratings measured at 70% – 80% power factor on AC. The interrupting ratings for 18A and 20A were measured at 85%-95% power factor on AC. The interrupting ratings for 25A and 30A were measured at 89% power factor on AC.

Agency Information: CE, Std. 248-14 UL Listed, Guide JDYX File E19180, ¼-15A; UL Recognized, Guide JDYX2, File E19180, 18-30A; CSA Certification, Class 1422-01 & 1422-30, File 53787, ¼-30A.

Features and Benefits
- Ceramic body allows for higher amp/volt rating combinations.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads

ABC-V-¼-R	ABC-V-3-R	ABC-V-12-R
ABC-V-½-R	ABC-V-4-R	ABC-V-15-R
ABC-V-¾-R	ABC-V-5-R	ABC-V-18-R
ABC-V-1-R	ABC-V-6-R	ABC-V-20-R
ABC-V-1-½-R	ABC-V-7-R	ABC-V-25-R
ABC-V-2-R	ABC-V-8-R	ABC-V-30-R
ABC-V-2-½-R	ABC-V-10-R	

Without Axial Leads

ABC-¼-R	ABC-3-R	ABC-12-R
ABC-½-R	ABC-4-R	ABC-15-R
ABC-¾-R	ABC-5-R	ABC-18-R
ABC-1-R	ABC-6-R	ABC-20-R
ABC-1-½-R	ABC-7-R	ABC-25-R
ABC-2-R	ABC-8-R	ABC-30-R
ABC-2-½-R	ABC-10-R	

Data Sheet: 2000

GBB (GBB-V axial leads)

Specifications
Description: Very fast-acting fuse.
Dimensions: ¼″ x 1 ¼″ (6.4 x 31.7mm).
Construction: Ceramic cartridge with nickel-plated brass endcaps.
Ratings:
Volts — 250Vac/125Vdc
Amps — 1-30A
IR — 200A @ 250Vac
— 200A (20-30A @ 125Vac/dc)
— 10,000A (1A -15A @ 125Vac/dc)

RoHS

Agency Information: CE, Std. 248-14, UL Recognized, 1-30,125Vdc/250Vac, File E56412, Guide JFHR2, CSA Accepted, 1-30, 125Vdc/250Vac, File 53787, Class 1422-30.

Features and Benefits
- Very fast-acting performance allows protection of highly sensitive electronic circuitry.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads

GBB-V-1-R	GBB-V-6-R	GBB-V-15-R
GBB-V-1-¼-R	GBB-V-7-R	GBB-V-20-R
GBB-V-2-R	GBB-V-8-R	GBB-V-25-R
GBB-V-3-R	GBB-V-9-R	GBB-V-30-R
GBB-V-4-R	GBB-V-10-R	
GBB-V-5-R	GBB-V-12-R	

Without Axial Leads

GBB-1-R	GBB-6-R	GBB-15-R
GBB-1-¼-R	GBB-7-R	GBB-20-R
GBB-2-R	GBB-8-R	GBB-25-R
GBB-3-R	GBB-9-R	GBB-30-R
GBB-4-R	GBB-10-R	
GBB-5-R	GBB-12-R	

Data Sheet: 2013

¼″ Dia. x 1 ¼″ Length Time-delay Ferrule Fuses

MDL-V (axial leads)

MDL

Specifications
Description: Time-delay fuse.
Dimensions: ¼″ x 1 ¼″ (6.4 x 31.7mm).
Construction: Glass tube with nickel-plated brass endcaps.

Ratings:
Volts — 250Vac (1/16-8A)
— 32Vac (9-30A)
— 32Vdc (Self Certified)
Amps — 1/16-30A
IR* — 35A (1/16-1A @ 250Vac)
— 100A (1¼-3A @ 250Vac)
— 200A (4-8A @ 250Vac)
— 10000A (1/16-8A @ 125Vac)
— 1000A (9-30A @ 32Vac)

RoHS

*Interrupting ratings were measured at 70% – 80% power factor on AC, and at a time constant described in UL 198L.

Agency Information: CE, UL Listed, Guide JDYX, File E19180, 1/16-8A; CSA Certification Class 1422-01, 1/16-8A; UL Recognized, Guide JDYX2, File E19180, 9-30A; CSA Component Acceptance, Class 142230, 9-30A.

Features and Benefits
- Time-delay allows close sizing on inductive circuits.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads		
MDL-V-1/16-R	MDL-V-1-R	MDL-V-7-R
MDL-V-1/10-R	MDL-V-1-¼-R	MDL-V-8-R
MDL-V-⅛-R	MDL-V-1-½-R	MDL-V-9-R
MDL-V-3/10-R	MDL-V-2-R	MDL-V-10-R
MDL-V-⅜-R	MDL-V-2-¼-R	MDL-V-12-R
MDL-V-¼-R	MDL-V-2-½-R	MDL-V-15-R
MDL-V-3/10-R	MDL-V-3-R	MDL-V-20-R
MDL-V-⅜-R	MDL-V-4-R	MDL-V-25*
MDL-V-½-R	MDL-V-5-R	MDL-V-30*
MDL-V-¾-R	MDL-V-6-R	
Without Axial Leads		
MDL-1/16-R	MDL-1-R	MDL-7-R
MDL-1/10-R	MDL-1-¼-R	MDL-8-R
MDL-⅛-R	MDL-1-½-R	MDL-9-R
MDL-3/10-R	MDL-2-R	MDL-10-R
MDL-⅜-R	MDL-2-¼-R	MDL-12-R
MDL-¼-R	MDL-2-½-R	MDL-15-R
MDL-3/10-R	MDL-3-R	MDL-20-R
MDL-⅜-R	MDL-4-R	MDL-25*
MDL-½-R	MDL-5-R	MDL-30*

*MDL-25 & MDL-30 are not available in RoHS compliant construction.

Data Sheet:2004

MDQ-V (axial leads)

MDQ

Specifications
Description: Dual-element, time-delay fuse.
Dimensions: ¼″ x 1 ¼″ (6.4 x 31.7mm).
Construction: Glass tube with nickel-plated brass endcaps.

Ratings:
Volts — 250Vac (1/100-7A)
— 32Vac (7½-15A)
— 32Vdc (Self Certified)
Amps — 1/100-15A
IR — 35A (1/100-1A @ 250Vac)
— 100A (1¼-3A @ 250Vac)
— 200A (4-7A @ 250Vac)
— 1000A (7½-12A @ 32Vac)

Agency Information: Std. 248-14, UL Listed, File E19180; Guide JDYX, 1/16-7A CSA Certification, File 47233, Class 1422-01, 1/16-7A, UL Recognized, Guide JDYX2, File E19180, 7.1-30A.

Features and Benefits
- Dual-element design allows closer sizing to inductive circuits than any other fuses.

Typical Applications
- Electronic Relay and Control Circuits

Catalog Numbers (Amps)

With Axial Leads			
MDQ-V-1/100	MDQ-V-3/10	MDQ-V-1-½	MDQ-V-5
MDQ-V-1/32	MDQ-V-⅜	MDQ-V-1-⅘	MDQ-V-6
MDQ-V-1/16	MDQ-V-⅘	MDQ-V-1-⅘	MDQ-V-6-¼
MDQ-V-1/10	MDQ-V-½	MDQ-V-2	MDQ-V-7
MDQ-V-⅛	MDQ-V-⅘	MDQ-V-2-¼	MDQ-V-7-½
MDQ-V-15/100	MDQ-V-¾	MDQ-V-2-½	MDQ-V-8
MDQ-V-175/1000	MDQ-V-⅘	MDQ-V-2-⅘	MDQ-V-9
MDQ-V-⅜	MDQ-V-1	MDQ-V-3	MDQ-V-10
MDQ-V-3/10	MDQ-V-1-3/10	MDQ-V-3-3/10	MDQ-V-12
MDQ-V-¼	MDQ-V-1-¼	MDQ-V-4	MDQ-15
Without Axial Leads			
MDQ-1/100	MDQ-3/10	MDQ-1-½	MDQ-5
MDQ-1/32	MDQ-⅜	MDQ-1-⅘	MDQ-6
MDQ-1/16	MDQ-⅘	MDQ-1-⅘	MDQ-6-¼
MDQ-1/10	MDQ-½	MDQ-2	MDQ-7
MDQ-⅛	MDQ-⅘	MDQ-2-¼	MDQ-7-½
MDQ-15/100	MDQ-¾	MDQ-2-½	MDQ-8
MDQ-175/1000	MDQ-⅘	MDQ-2-⅘	MDQ-9
MDQ-3/16	MDQ-1	MDQ-3	MDQ-10
MDQ-3/10	MDQ-1-3/10	MDQ-3-3/10	MDQ-12
MDQ-¼	MDQ-1-¼	MDQ-4	MDQ-15

Data Sheet: 2044

MDA-V (axial leads)

MDA

Specifications
Description: Time-delay fuse.
Dimensions: ¼″ x 1 ¼″ (6.35 x 31.75mm).
Construction: Ceramic tube with nickel-plated brass endcaps.

Ratings:
Volts — 250Vac (or less)
— 125Vdc (20A- 30A)
— 32Vdc (Self Certified)
Amps — ¼-30A
IR** — 35A (¼-1A @ 250Vac)
— 100A (1½-2A @ 250Vac)
— 200A (2½-10A @ 250Vac)
— 750A (12-15A @ 250Vac)
— 1500A (20-30A @ 250Vac)
— 10kA (¼-30A @ 125Vac)
— 10kA (20-30A @ 125Vdc)

RoHS

**Interrupting ratings were measured at 70% – 80% power factor on AC, and at a time constant described in UL 248.

Agency Information: CE, Std. 248-14, UL Listed, Guide JDYX, File E19180, 0-20A CSA Certification, Class 1422-01, File 53787, 0-20A. UL Recognized, Guide JDYX2, File E19180, 25-30A, CSA Component Acceptance, Class 1422-30, 25-30A

Features and Benefits
- Ceramic body allows for higher amp/volt rating combinations.
- Inventory consolidation by replacing MDL fuses allows for reduced SKU investment and minimizing potential for misapplying fuse.

Typical Applications
- Electronic Circuits

Catalog Numbers (Amps)

With Axial Leads		
MDA-V-¼-R	MDA-V-3-R	MDA-V-12-R
MDA-V-½-R	MDA-V-4-R	MDA-V-15-R
MDA-V-¾-R	MDA-V-5-R	MDA-V-20-R
MDA-V-1-R	MDA-V-6-R	MDA-V-25-R
MDA-V-1-½-R	MDA-V-7-R	MDA-V-30-R
MDA-V-2-R	MDA-V-8-R	
MDA-V-2-½-R	MDA-V-10-R	
Without Axial Leads		
MDA-¼-R	MDA-3-R	MDA-12-R
MDA-½-R	MDA-4-R	MDA-15-R
MDA-¾-R	MDA-5-R	MDA-20-R
MDA-1-R	MDA-6-R	MDA-25A-R
MDA-1-½-R	MDA-7-R	MDA-30A-R
MDA-2-R	MDA-8-R	
MDA-2-½-R	MDA-10-R	

Data Sheet: 2002

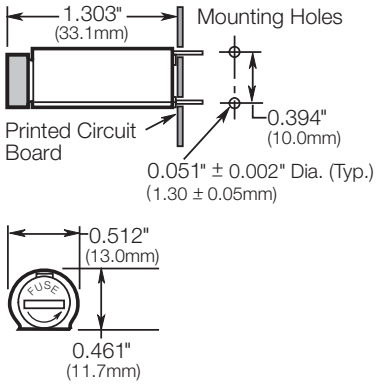
PC Board Mount Fuse Holders

HTC-45M

PCB Vertical Mount

Specifications
Description: PCB vertical mount bayonet cap and fuse holder.
Dimensions: See Dimensions illustration.
Ratings:
See Specifications table.
Agency Information:
See Specifications table notes 1, 2, 5.

Dimensions - in (mm)



RoHS

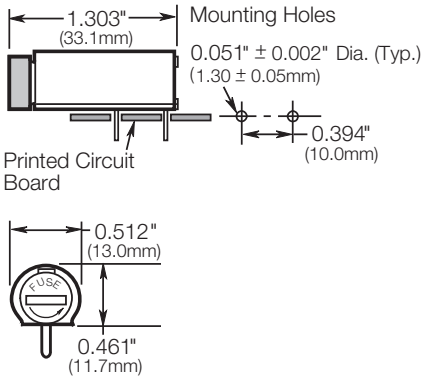
Data Sheet 2110

HTC-50M

PCB Horizontal Mount

Specifications
Description: PCB horizontal mount bayonet cap and fuse holder.
Dimensions: See Dimensions illustration.
Ratings:
See Specifications table.
Agency Information:
See Specifications table notes 1, 2.

Dimensions - in (mm)



RoHS

Data Sheet 2110

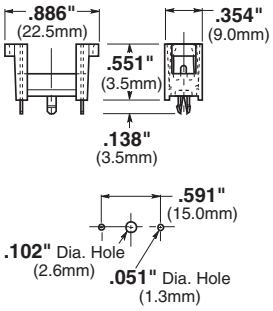
HTC-60M

PCB Stand-Off Mount

Specifications
Description: Four-leg PCB stand-off fuse holder.
Dimensions: See Dimensions illustration.
Ratings:
Volts: — 250V
Amps: — 6.3A
Agency Information:
See Specifications table notes 1, 4.

Dimensions - in (mm)

HTC-65M (4-Leg)



RoHS

Data Sheet 2110

Specifications

Terminals — Tin-plated brass with 3mm (HTC-35M, -55M) and 4.8mm (HTC-70M).

Molded Materials — High temperature thermoplastic that meets the flammability ratings of UL 94VO; Glow Wire Test: 960°C per IEC 695-2-1.

Solderability — In accordance with IEC 68-2-20.

Electrical — Contact Resistance: ≤10mW; Insulation Resistance: ≥10MW; Dielectric Strength ≥2000Vac.

Shock Safety — PC2 (fuse holders).

Agency Information:
1) cURus: Guide 1ZLT2 & IZLT8, File E14853
2) VDE: 40004457
3) VDE: 40004458
4) VDE: 40004459
5) VDE: 40004463

PC Board Mount Fuse Holders

HBH-I (for ¼˝ x 1 ¼˝ fuses)

HBH-M (for 5 x 20mm fuses)

PCB Horizontal Mount

Specifications

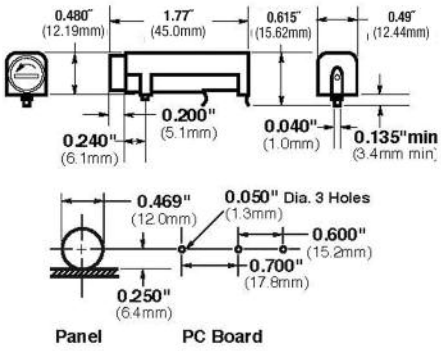
Description: PCB horizontal mount fuse holder.

Dimensions: See Dimensions illustration.

Ratings:

See Specifications table.

Dimensions - in (mm)



Data Sheet: 2118

HBV-I (for ¼˝ x 1 ¼˝ fuses)

HBV-M (for 5 x 20mm fuses)

PCB Vertical Mount with Stability Pins

Specifications

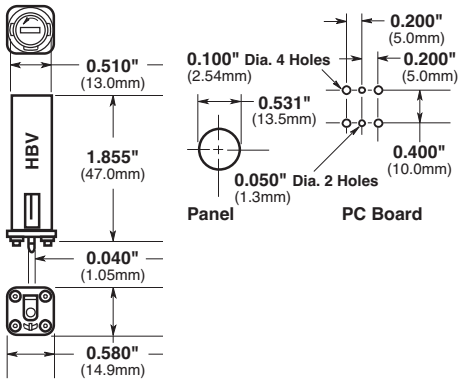
Description: PCB vertical mount fuse holder with stability pins.

Dimensions: See Dimensions illustration.

Ratings:

See Specifications table.

Dimensions - in (mm)



Data Sheet: 2118

HBW-I (for ¼˝ x 1 ¼˝ fuses)

HBW-M (for 5 x 20mm fuses)

PCB Vertical Mount without Stability Pins

Specifications

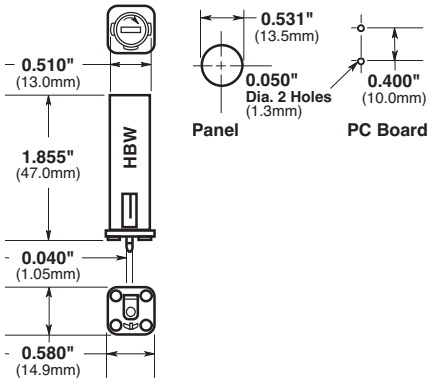
Description: PCB vertical mount fuse holder without stability pins.

Dimensions: See Dimensions illustration.

Ratings:

See Specifications table.

Dimensions - in (mm)



Data Sheet: 2118

FBI

FBM

Fuse Holder Caps (Fit all three shown above)

Specifications

Electrical Ratings:	UL — 16A @ 250V; CSA — 12A @ 250V; VDE — 6.3A @ 250V; SEMKO — 10A @ 250V Insulation resistance — 10 megohm at 500Vdc. Contact resistance — less than 0.005 ohms @ 200mV. Dielectric strength — over 200V/mil.
Molded Material:	High dielectric molded phenolic with a UL 94V0 flammability rating.
Fuse Carrier & Knob:	Spring-loaded, bayonet-type. Tin plated brass. Screwdriver slotted.
Mounting:	"Kicked" terminals (all models) and stabilizer pins on HBV & HBW models for increased stability.
Temperature Rating (RTI):	Body: 150ºC, Knob: 130ºC
Agency Information:	CE, UL Recognized — Guide IZLT2, File EI4853; CSA Certified — Class 6225-01, File 47235 VDE — 4009241 (HBV, HBW) SEMKO — 800444

PC Board Fuseclips for 5mm Diameter Fuses

HTC-15M, HTC-140M

PCB Mounted Fuse Holder & Snap-On Cover

Voltage Rating: 250V, 6.3A, 1.6W

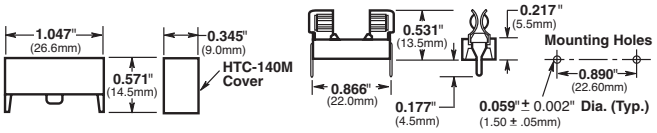
HTC-15M (fuse holder), HTC-140M (natural cover), HTC-150M* (transparent cover)

Agency Information: See Specifications table notes 1, 3 on bottom of page 65

*Available in bulk only. Use this format: BK/HTC-150M

Data Sheet: 2110

RoHS



HTC-200M

PCB Mounted Fuseclip

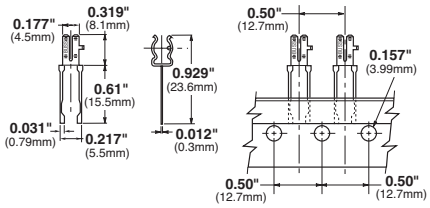
Construction: Tin-plated bronze

Tape and Fan Fold packed

Ammo Pack (AP/HTC-200M) 1000 pieces per box

Data Sheet: 2110

RoHS

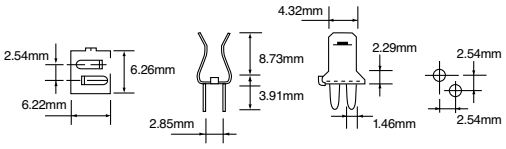


HTC-210M

PCB Mounted Fuseclip with End Stops

Data Sheet: 2110

RoHS



1A3399 Series

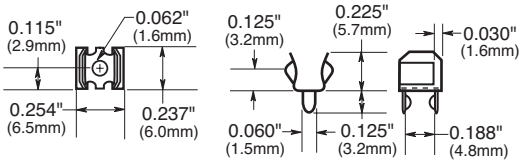
PCB Fuseclips with End Stops & Straight Leads

Catalog Numbers	Clip Material*	Finish
1A3399-01	Beryllium copper*	Silver
1A3399-04-R	Beryllium copper*	Bright tin
1A3399-10-R	Spring bronze	Bright tin

*Beryllium copper recommended for amps higher than 15 amps.

Data Sheet: 2131

RoHS



1A5018 Series

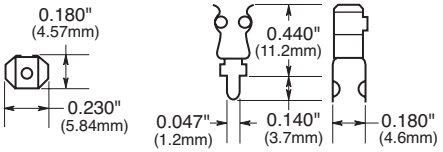
PCB High Profile Fuseclips with End Stops & Straight Leads

Catalog Numbers	Clip Material*	Finish
1A5018-7	Spring bronze	Silver
1A5018-10-R	Spring bronze	Bright tin

*Beryllium copper recommended for amps higher than 15 amps.

Data Sheet: 2131

RoHS



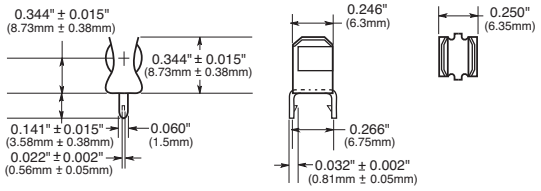
1A5601 Series

PCB Fuseclips (0-7A)

Catalog Number	Clip Material	Finish
1A5601	Cartridge brass	Bright tin

Data Sheet: 2131

RoHS



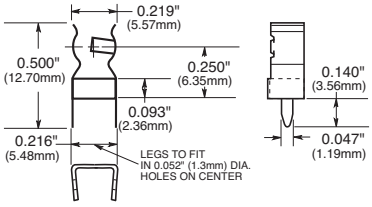
1A5602 Series

PCB Fuseclips (0-7A)

Catalog Number	Clip Material	Finish
1A5602	Cartridge brass	Bright tin

Data Sheet: 2131

RoHS



PC Board Fuseclips for ¼″ Diameter Fuses

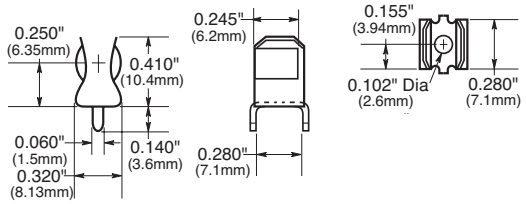
1A3398 Series

PCB Fuseclips without End Stops with Straight Leads

Catalog Numbers	Clip Material	Finish
1A3398-07-R	Cartridge brass	Bright tin

RoHS

Data Sheet: 2131



1A1907 Series

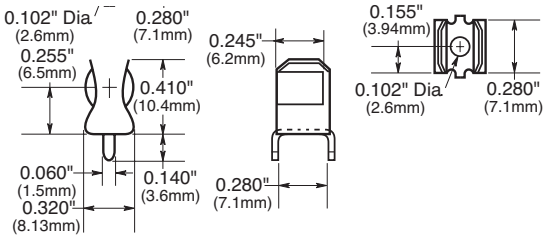
PCB Fuseclips with End Stops & Straight Leads

Catalog Numbers	Clip Material*	Finish
1A1907-02	Cartridge brass	None/bright dipped
1A1907-03-R	High Performance Copper*	Bright tin
1A1907-05	High Performance Copper*	Silver
1A1907-06-R	Cartridge brass	Bright tin

*High Performance Copper recommended for amps higher than 15A.

RoHS

Data Sheet: 2131



1A4533 Series

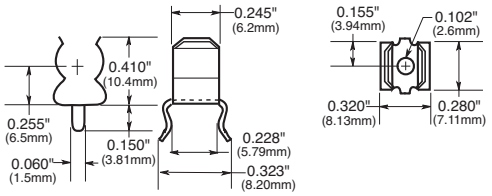
PCB Fuseclips without End Stops or Angled Out Leads

Catalog Numbers	Clip Material*	Finish
1A4533-01-R	High Performance Copper*	Bright tin
1A4533-06-R	Cartridge brass	Bright tin

*High Performance Copper recommended for amps higher than 15A.

RoHS

Data Sheet: 2131



1A4534 Series

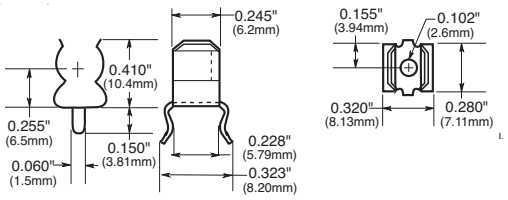
PCB Fuseclips with End Stops & Angled Out Leads

Catalog Numbers	Clip Material*	Finish
1A4534-01-R	High Performance Copper*	Bright tin
1A4534-06-R	Cartridge brass	Bright tin

*High Performance Copper recommended for amps higher than 15A.

RoHS

Data Sheet: 2131



1A1119 Series

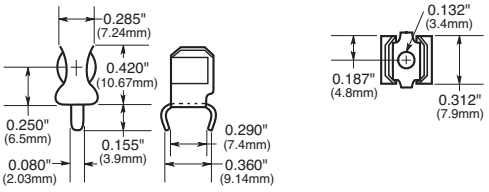
Fuseclips with End Stops & Angled In Leads

Catalog Numbers	Clip Material*	Finish
1A1119-04-R	High Performance Copper*	Bright tin
1A1119-05	High Performance Copper*	Silver
1A1119-10-R	Cartridge brass	Bright tin

*High Performance Copper recommended for amps higher than 15A.

RoHS

Data Sheet: 2131



1A1120 Series

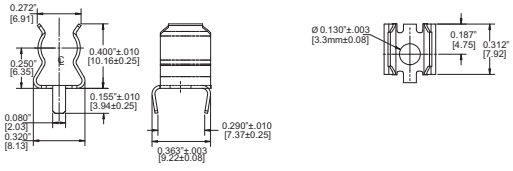
PCB Fuseclips without End Stops or Angled In Leads

Catalog Numbers	Clip Material*	Finish
1A1120-02	Cartridge brass	None/bright dipped
1A1120-05	High Performance Copper*	Silver
1A1120-06-R	High Performance Copper*	Bright tin
1A1120-09-R	Cartridge brass	Bright tin

*High Performance Copper recommended for amps higher than 15A.

RoHS

Data Sheet: 2131



PC Board Fuseclips for ¼″ Diameter Fuses

5681 & 5682 Series

PCB Fuseclips with Mounting Holes For ¼″ Diameter Fuses

Catalog Number	End Stop	Clip Mat.**	Finish	Dimensions (Inches) B (To End Stop)	C (Contact)	D (Height)	E (Width)	Hole Dia.	Ref.
5681-01		BeCu	Silver						
5681-08	No	Spg. Br.	Nickel	†	0.265	0.41	0.32	0.132	Fig. 2
5681-15-R		Spg. Br.	Bright Tin						
5682-01		BeCu	Silver	0.108					
5682-02		BeCu	Silver						
5682-11-R	Yes	BeCu	Bright Tin	0.131	0.262	0.41	0.32	0.132	Fig. 1
5682-41-R		Spg. Br.	Bright Tin	0.106					
5682-44-R		Spg. Br.	Bright Tin	0.132					

RoHS

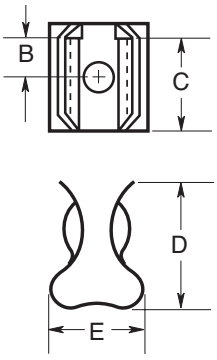


Figure 1

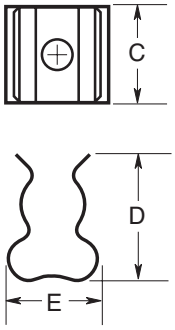


Figure 2

PC Board Fuseclips for 9/32″, 13/32″ and 9/16″ Diameter Fuses

5672 & 5674 Series

PCB Fuseclips with Mounting Holes For 9/32″ Diameter Fuses

RoHS

Catalog Number	End Stop	Clip Mat.**	Finish	Dimensions (Inches) B (To End Stop)	C (Contact)	D (Height)	E (Width)	Hole Dia.	Ref.
5672-11	No	Spg. Br.	Bright Tin	†	0.362	0.52	0.38	0.172	Fig. 2
5674-01		BeCu	Silver						
5674-10	Yes	BeCu	Bright Tin	0.168	0.356	0.52	0.38	0.172	Fig. 1
5674-41		Spg. Br.	Bright Tin						

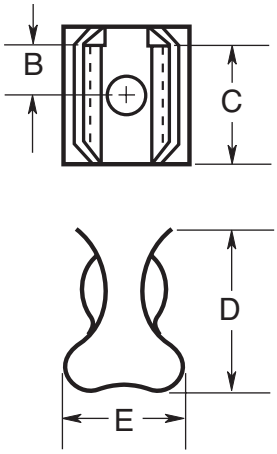


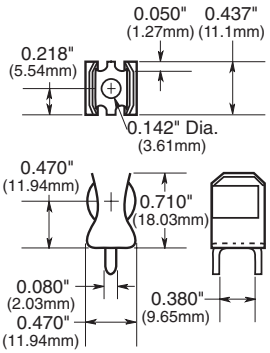
Figure 1

1A3400 Series***

For 13/32″ Diameter Fuses

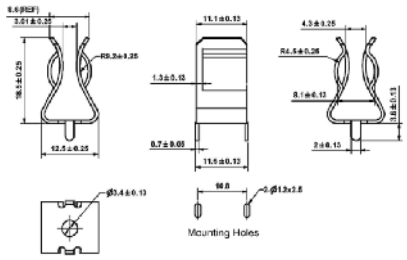
With End Stops & Straight Leads

RoHS



1A3400-09 & 1A3400-10

Dimensional Data



1A3400-12

Specifications:

Catalog Number	Clip Material	Finish	Amp Rating
1A3400-09	Spring Bronze	Bright Tin	20A Max.
1A3400-10	Beryllium Copper	Silver	30A Max.
1A3400-12	Spring Brass	Bright Tin	15A Max.

***For RoHS compliant version add "-R" option code suffix to part number.

5956 & 5960 Series

PCB Fuseclips with Mounting Holes For 13/32″ Diameter Fuses

Catalog Number	End Stop	Clip Mat.**	Finish	Dimensions (Inches) B (To End Stop)	C (Contact)	D (Height)	E (Width)	Hole Dia.	Ref.
5956-16	No	Spg. Br.	Bright Tin	†	0.312	0.71	0.47	0.172	Fig. 2
5960-07		BeCu	Silver	0.168				0.196	
5960-09		BeCu	Silver	0.20				0.172	
5960-44		Spg. Br.	Nickel	0.20				0.197	
5960-51	Yes	Spg. Br.	Bright Dip*	0.168	0.387	0.71	0.47	0.196	Fig. 1
5960-53		Spg. Br.	Bright Dip*	0.20				0.172	
5960-61-R		Spg. Br.	Bright Tin	0.168				0.196	
5960-62-R		Spg. Br.	Bright Tin	0.168				0.132	
5960-63-R		Spg. Br.	Bright Tin	0.20				0.172	
5960-64-R		Spr. Br.	Bright Tin	0.20				0.128	

RoHS

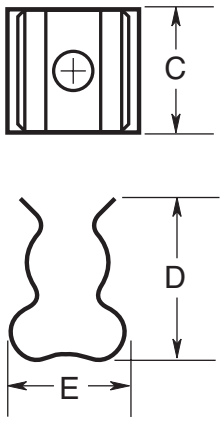


Figure 2

5591 & 5592 Series

PCB Fuseclips with Mounting Holes For 9/16″ Diameter Fuses

Catalog Number	End Stop	Clip Mat.**	Finish	Dimensions (Inches) B (To End Stop)	C (Contact)	D (Height)	E (Width)	Hole Dia.	Ref.
5591-42	Yes	Spg. Br.	Bright Dip*	0.26	0.51	0.89	0.60	0.172	Fig. 1
5591-52-R		Spg. Br.	Bright Tin						
5592-01	No	BeCu	Silver	0.252	0.56	0.875	0.60	0.20	Fig. 2

RoHS

* Bright Dip is actually treated bare metal with no plating.
** Spg. Br. — Spring Bronze; BeCu — Beryllium Copper.
† Hole in center of both clip and contact area.

Data Sheet: 2132