

Time-Delay Ceramic Fuses

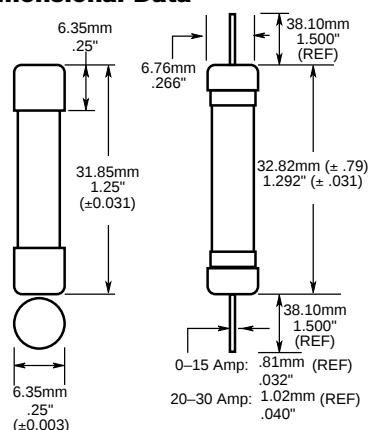
For ¼" × 1¼" (6.3mm × 32mm)

MDA

MDA-V



Dimensional Data



Catalog Symbol: MDA (3AB)

Time-Delay

Agency Approvals*:

U.L./CSA 248-14

Construction: Ceramic Tube
Nickel Plated Brass Endcaps

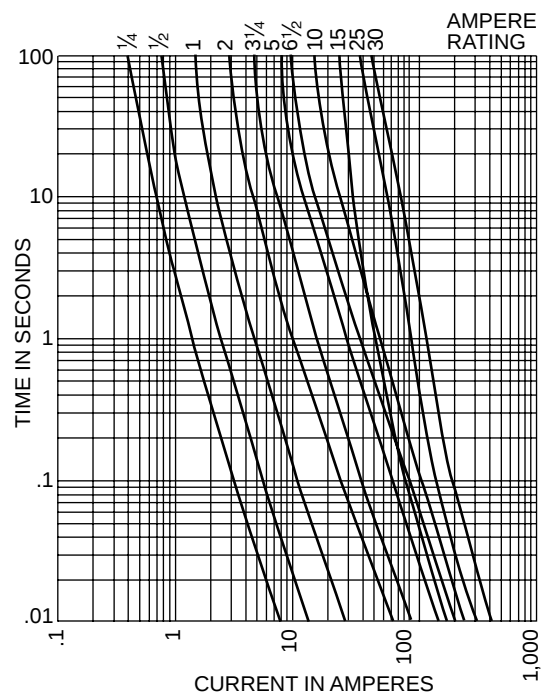
Packaging & Ordering Information:

Package Code	MDA	V	(See Table)
Blank 5 in	Product Symbol	Lead	Rated Current
BK/ 100 in		Blank-no lead	
Weight = .97 lbs/100		V-Axial lead	

Time-Current Characteristics

Rated Current	Percent of Rating		
	110%	135%	200%
2 ₁₀ -30	4 hrs. (min)	60 min. (max)	120 sec. (max)

Time-Current Characteristic Curves—Average Melt (Full Size Curves Available)



CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

Electrical Characteristics

Rated Current ⁵	Rated Voltage ⁶		Interrupting Rating ^{1,4,7}		Pre-arcing I ² t (A ² Sec)		Typical Total Clearing ³ I ² t (A ² Sec)		Typical Voltage Drop ² Volts at 100% Rated Current	Agency* Approvals		
	AC (Max.)	DC (Max.)	AC	DC	AC	DC	AC	DC		UL	UR	CSA
2 ₁₀	250V	250V	35A	35A	.44	.40	.28	2.57	1.78	•	•	•
¼	250V	250V	35A	35A	.50	.56	.70	.57	3.41	•	•	•
½	250V	250V	35A	35A	1.67	4.34	2.25	4.64	1.51	•	•	•
¾	250V	250V	35A	35A	5.21	6.55	6.80	6.83	1.02	•	•	•
1	250V	250V	35A	35A	10.08	8.71	12.53	10.28	.96	•	•	•
1½	250V	250V	100A	100A	24.50		30.00		.70	•	•	•
2	250V		100A	100A	36.53	24.95	73.43	73.55	.58	•	•	•
2½	250V		100A	100A	27.40		36.95		.23	•	•	•
3	250V	250V	100A		35.70		144.00		.22	•	•	•
4	250V		200A		141.50		165.90		.18	•	•	•
5	250V		200A		310.00		368.30		.17	•	•	•
6	250V		200A		534.30		567.20		.16	•	•	•
7	250V		200A		591.30		364.00		.15	•	•	•
8	250V		200A		898.20		906.10		.13	•	•	•
10	250V	250V	200A	200A	843.00	1515.00	924.50	1661.00	.12	•	•	•
15	250V	250V	750		238.10	216.90	359.70	299.90	.13	•	•	•
20	250V		1500		582.00		761.00		.13	•	•	•
25	250V		1500		1097.00		1410.00		.13	•	•	•
30	250V		1500		1565.00		2064.00		.14	•	•	•

*Approvals: U.L. Listed, Std. 248-14, Guide JDYX, File E19180; CSA Certification, Class 1422-01, File 53787.

1. Interrupting ratings for ½-2VA were measured at 70% - 80% power factor on AC, and at a time constant described in U.L. 198L.

2. Voltage drop was measured at 25°C±3°C ambient temperature at rated current.

3. I²t was measured at listed interrupting rating and rated voltage.

4. Interrupting rating for MDA ½-30A @ 125 Vac is 10,000A. Interrupting rating listed corresponds to maximum rated voltage.

5. Other available sizes include ½, ¼, ⅛, 1/16, 1/32, 1/64, 1/128, 1/256, 1/512, 1/1024, 1/2048, 1/4096, 1/8192, 1/16384, 1/32768, 1/65536, 1/131072, 1/262144, 1/524288, 1/1048576, 1/2097152, 1/4194304, 1/8388608, 1/16777216, 1/33554432, 1/67108864, 1/134217728, 1/268435456, 1/536870912, 1/1073741824, 1/2147483648, 1/4294967296, 1/8589934592, 1/17179869184, 1/34359738368, 1/68719476736, 1/137438953472, 1/274877906944, 1/549755813888, 1/1099511627776, 1/2199023255552, 1/4398046511104, 1/8796093022208, 1/17592186044416, 1/35184372088832, 1/70368744177664, 1/140737488355328, 1/281474976710656, 1/562949953421312, 1/1125899906842624, 1/2251799813685248, 1/4503599627370496, 1/9007199254740992, 1/18014398509481984, 1/36028797018963968, 1/72057594037927936, 1/144115188075855872, 1/288230376151711744, 1/576460752303423488, 1/1152921504606846976, 1/2305843009213693952, 1/4611686018427387904, 1/9223372036854775808, 1/18446744073709551616, 1/36893488147419103232, 1/73786976294838206464, 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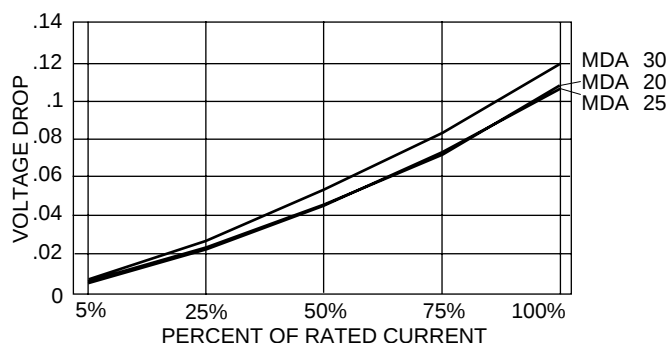
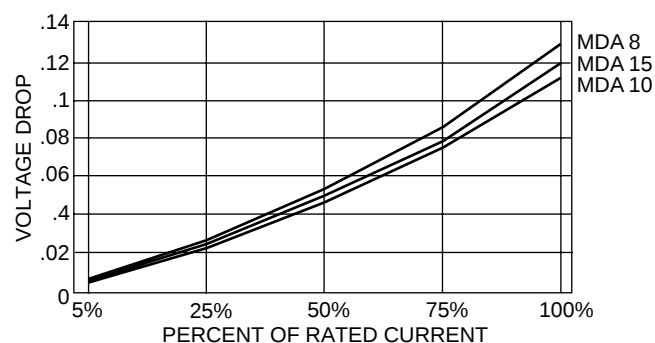
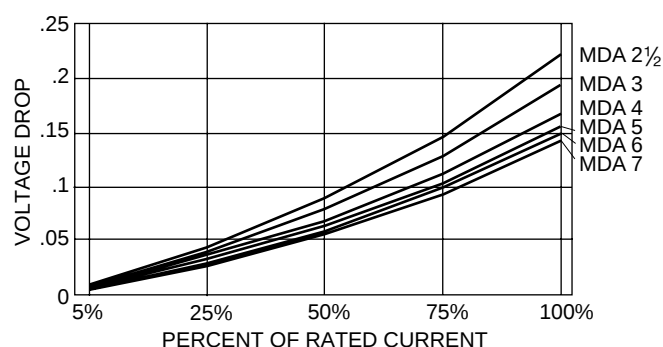
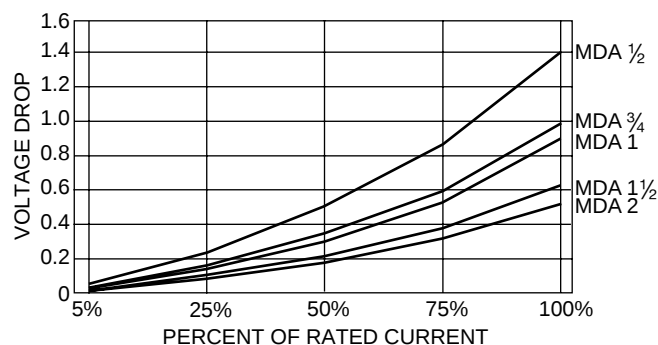
Time-Delay Ceramic Fuses

For ¼" x 1¼" (6.3mm x 32mm)

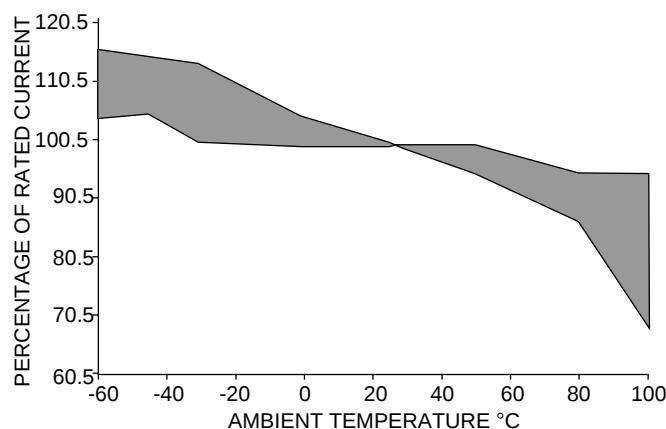
MDA

MDA-V

1.0 Typical Voltage Drop (At 25° C Ambient Temperature)



2.0 Ambient Temperature Effect Chart (Derating Curve)



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