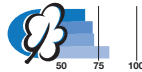


Surface Mount Fuse Type MGA super-quick-acting FF



1:1



- Standard 1206 SMD
- "Flip chip" design mounts on any side
- Lowest resistance
- Hermetically sealed for operating temperatures in excess of 150 °C
- Low energy let-through
- Superior cycling

Approvals, Patents

UL recognition 200mA–5A

CSA acceptance 200mA–5A

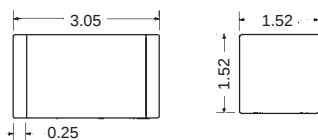
US 4.749.980 US 5.032.817 US 5.131.137
US 4.860.437 US 5.040.284 US 5.155.462
US 4.926.543 US 5.097.245 US 5.224.261
US 5.001.451 US 5.122.774 US 5.272.804
US 5.027.101

Patents in US. and in further countries /
Patente in U. S. und weiteren Ländern

Pre-arcing time/current characteristic (at T_a 23 °C)

$n \cdot I_n$	$1 \cdot I_n$	$2,5 \cdot I_n$
Rated current I_n / Nennstrom I_n	≥ 4 h	≤ 5 s
200 mA–5 A		

Standard 1206 SMD package size

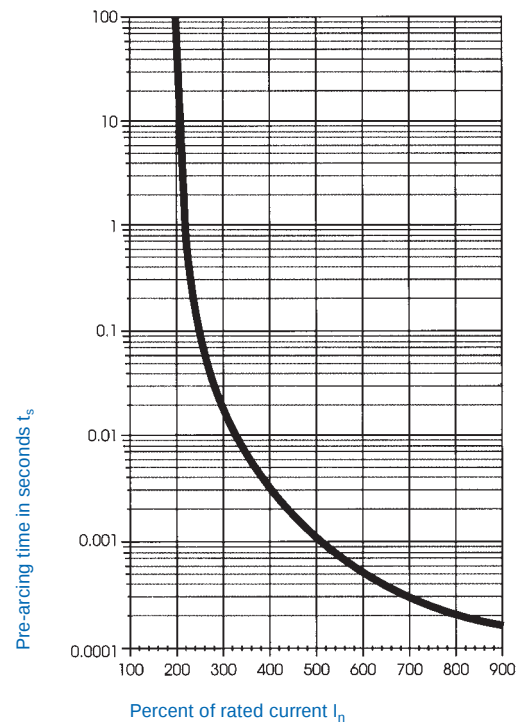


Note: dimensions are in mm

Technical data

Rated current	see chart
Time current characteristic	super-quick-acting
Interrupt capacity	50 A AC/DC
Ambient temperature max.	+ 150 °C
Climatic category	hermetically sealed
Solderability	reflow: 260 °C / 30 sec. max; wave 260 °C / 10 sec. max.
Soldering heat resistance	60 seconds above 200 °C, max. 260 °C
Material: Housing	ceramic
Terminals	nickel, tin-lead coated
Packaging	8 mm tape and reel per EIA-RS481 (equivalent to IEC 60286-3)

Typical Time to Trip at 23°C



Standards

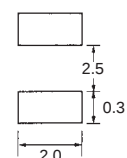
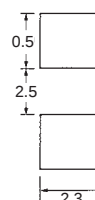
UL 248-14 (formerly 198.G)

CSA C22.2 No. 248.14 (formerly 59.2 M)

Recommended (IGC 127-4)

Solder pads for wave soldering

Solder pads for reflow soldering



FUSES

MGA

Non resettable fuses

Order No.	Rated current I_n Rated voltage U_n mA / A / V ~	Breaking capacity at I_n A ~ AC / DC	Voltage drop at I_n typ. mV	P_v at $1 \cdot I_n$ typ. mW	Pre-arcing I^2t t at $4 \cdot I_n$ typ. A ² s	Packaging Order No. Suffix
3410.0021.XX	200 mA / 125 V	50 A / 125 V AC/DC	202	40	0,0013	100 pieces taped & bagged: .XX = .01
3410.0022.XX	250 mA / 125 V		176	44	0,0027	
3410.0025.XX	375 mA / 125 V		140	52	0,0039	750 pieces taped & reeled: .XX = .02
3410.0027.XX	500 mA / 125 V		126	68	0,0066	
3410.0029.XX	750 mA / 125 V		118	88	0,015	3000 pieces taped & reeled: .XX = .03
3410.0031.XX	1 A / 125 V		114	114	0,042	
3410.0033.XX	1,5 A / 125 V		123	185	0,12	10 000 pieces taped & reeled: .XX = .04
3410.0035.XX	2 A / 125 V		117	234	0,20	
3410.0036.XX	2,5 A / 125 V	50 A / 63 V AC/DC	115	288	0,35	
3410.0037.XX	3 A / 125 V		112	336	0,55	
3410.0240.XX	4 A / 63 V	50 A / 63 V AC/DC	110	440	0,85	
3410.0141.XX	5 A / 32 V	50 A / 32 V AC/DC	90	450	1,0	

All ratings measured at ambient temperature 25 °C +/-3 °C

AC with unity power factor. DC with time constant less than 1 msec.