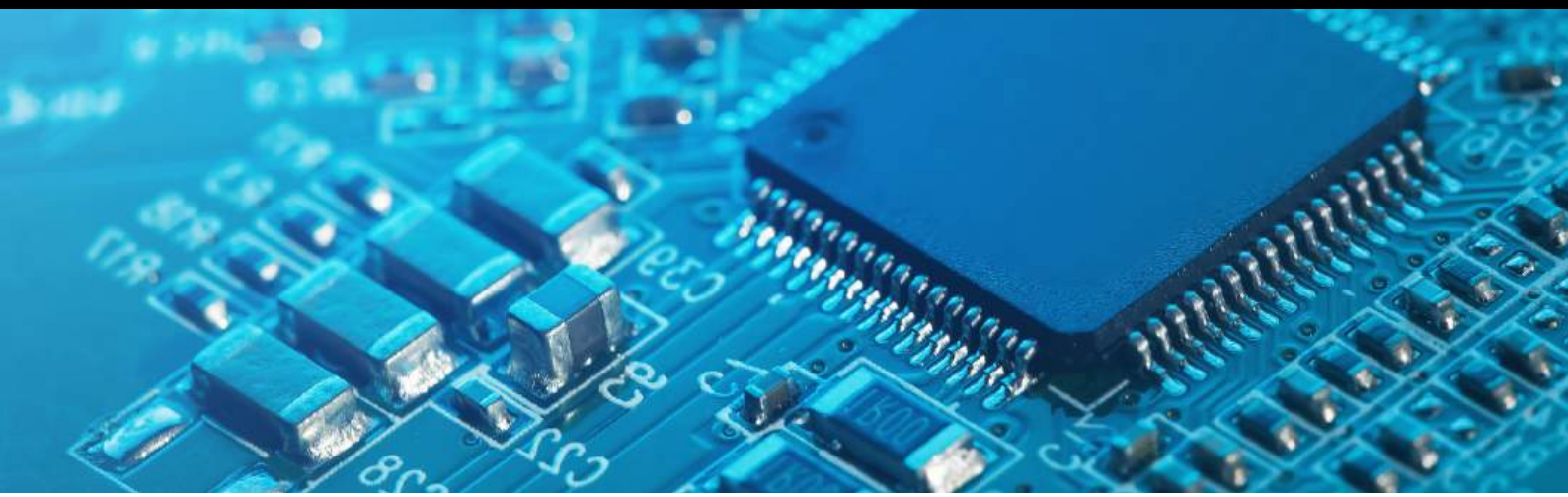
ACCU-GUARD® II

MINIATURE LOW CURRENT THIN FILM FUSES



ACCU-GUARD® OVERVIEW

Protect Your Products Using Industry Smallest Low Current Fuses

The Accu-Guard® series of fuses offers a level of precision in controlling both electrical and physical characteristics of the component that is typically unattainable with standard fuse technologies.

One-time, fast-acting fuse based on precision thin-film technology on an alumina substrate, providing tight control of electrical and physical characteristics with strong mechanical and environmental performance.

LGA packaging enables improved electrical connection and enhanced reliability under thermal cycling on modern surface-mount circuit boards.

Ultra-small 0201 footprint supports extreme miniaturization, very low weight, and high-density PCB designs where board space is critical.

Available current ratings start as low as 28mA, enabling protection of sensitive low-current circuits as well as higher-current compact designs.

Standard sizes: 0201, 0402, and 0603 (28mA up to 500mA).

Accu-Guard® II Low Current (LGA)

Click or Scan

Key Features

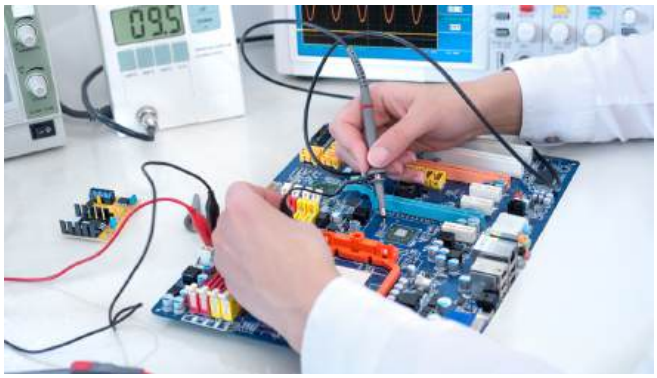
- Lowest Current Rating in the Industry
- Fast Acting
- High Reliability
- **Small Case Size:** 0201, 0402, 0603
- **Post Fusing Resistance:** >1MΩ
- Color Coded

Ultra Compact Fuses Guarantee the Safety and Protection of Your Device

Approvals

ISO 9001 · IATF 16949 · UL · cUL

Visit us online to learn more about our products



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ACCU-GUARD® II

MINIATURE LOW CURRENT THIN FILM FUSES

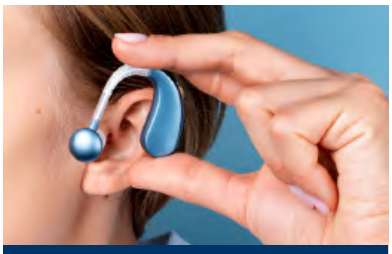
KEY APPLICATIONS

Gas Meter &
Gas Distribution System

Electronic Devices Installed within Explosive Environment

Electronic Equipment & Systems Complying with the ATEX Directive

Battery Management System



Hearing Aids

Home Appliances

Fast-Acting Fuses Ensuring Swift Circuit Protection For Sensitive Electronics

- Compact 0201 Case Size Smallest in Industry
- Industry's lowest Current Ratings in 0201, 0402, and 0603 Case Sizes
- Accurate Current Rating

Click or Scan

Part Number	Current Rating A	Resistance @0.1 x I rated Ω (max.)	Voltage Drop @I rated mV (max.)	Fusing Current (within 5 sec) A	Pre-Arc I2t @10 x I rated A^2 - sec (typ)
F0201G0R02FNTR / F0402G0R02FNTR / F0603G0R02FNTR	0.028	7.5	290	0.070	6×10^{-7}
F0201G0R03FNTR / F0402G0R03FNTR / F0603G0R03FNTR	0.0375	4.8	230	0.094	8×10^{-7}
F0201G0R05FNTR / F0402G0R05FNTR / F0603G0R05FNTR	0.050	3.4	250	0.125	2×10^{-6}
F0201G0R06FNTR / F0402G0R06FNTR / F0603G0R06FNTR	0.062	2.5	280	0.155	2×10^{-6}
F0201G0R07FNTR / F0402G0R07FNTR / F0603G0R07FNTR	0.075	2.0	280	0.188	4×10^{-6}
F0201G0R10FNTR / F0402G0R10FNTR / F0603G0R10FNTR	0.100	2.4	300	0.250	7×10^{-6}
F0201G0R12FNTR / F0402G0R12FNTR / F0603G0R12FNTR	0.125	1.6	250	0.312	1×10^{-5}
F0201G0R15FNTR / F0402G0R15FNTR / F0603G0R15FNTR	0.150	1.2	220	0.375	2×10^{-5}
F0201G0R20FNTR / F0402G0R20FNTR / F0603G0R20FNTR	0.200	0.8	210	0.500	4×10^{-5}
F0402G0R25FNTR / F0603G0R25FNTR	0.25	0.55	180	0.625	2×10^{-4}
F0402G0R37FNTR / F0603G0R37FNTR	0.375	0.30	150	0.938	3×10^{-4}
F0402G0R50FNTR / F0603G0R50FNTR	0.5	0.20	140	1.25	7×10^{-4}