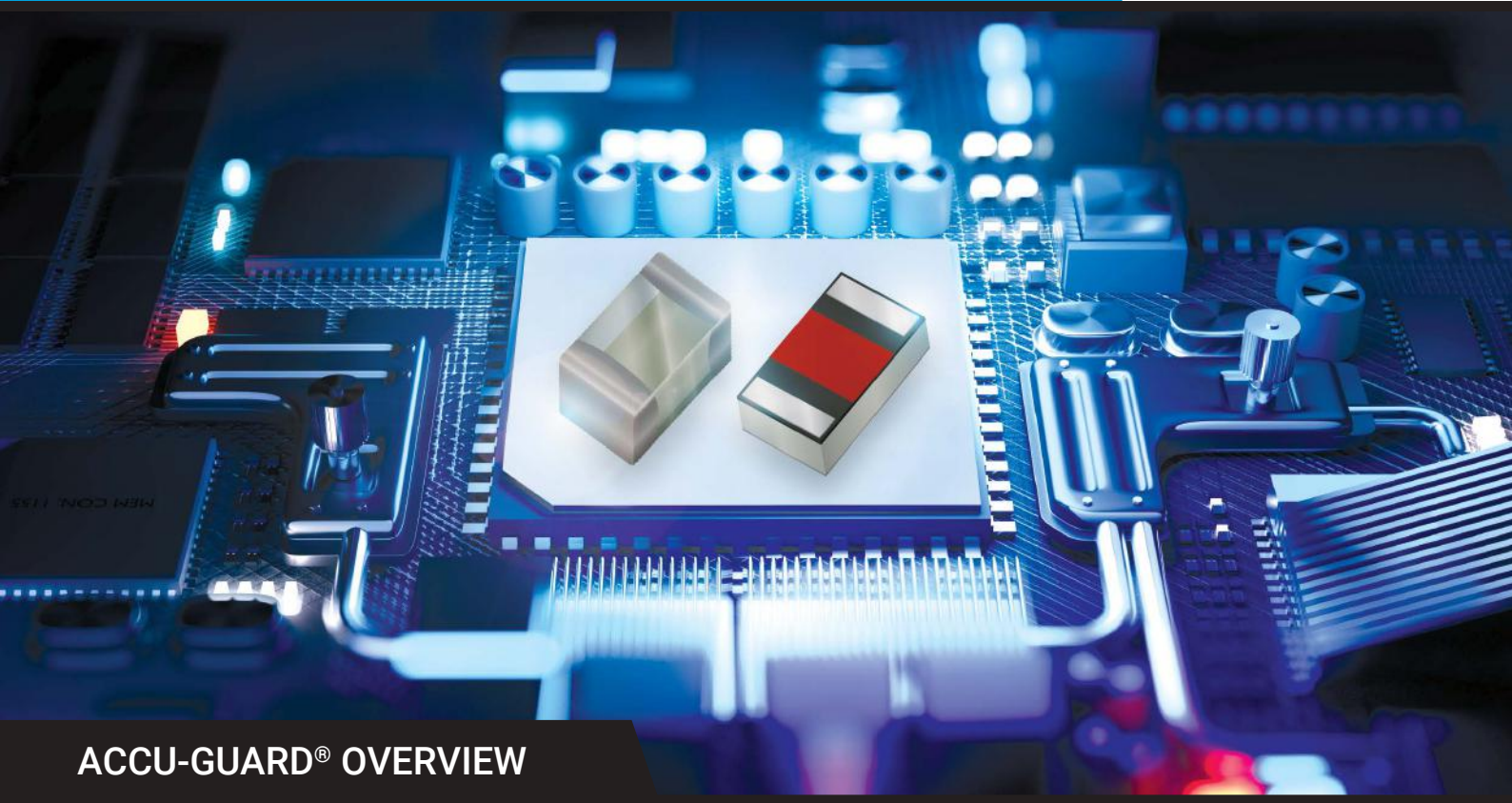# ACCU–GUARD® TECHNOLOGY
KYOCERA AVX Miniature Low Current Thin Film Fuses
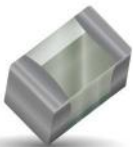
KYOCERA AVX

ACCU-GUARD® OVERVIEW

Protect Your Products Using Industry Smallest Low Current Fuses

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

Built on alumina substrates, KYOCERA AVX Accu-Guard® II combines advanced electrical, mechanical, and environmental characteristics tailored for modern surface mount circuit boards in need of robust protection.

Accu-Guard® II (SMD)

Key Features
- Small Case Size 0402, 0603, 0805, 1206
- High Reliability
- **Insulation Resistance:** >20MΩ Guaranteed (After Fusing at Rated Voltage)
- **Interrupting Rating:** 50A

Click or Scan

Accu-Guard® II Low Current (LGA)

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

Click or Scan

Ultra Compact Fuses Guarantee the Safety and Protection of Your Device

Approvals

ISO 9001 · IATF 16949 · UL · cUL
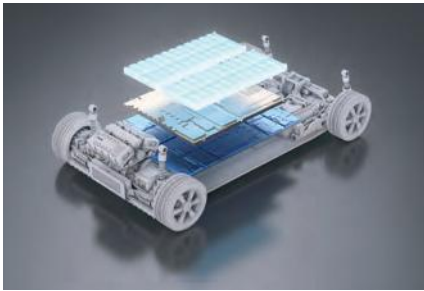
KEY APPLICATIONS

**Gas Meter &
Gas Distribution System**

**Electronic Devices Installed
Within Explosive Environment**

**Electronic Equipment and
Systems Complying with
the ATEX Directive**

**Battery Management
System**

Hearing Aids

Home Appliance

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

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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 @10x I rated A^2-sec (typ)	Color Code
F0201G0R02FNTR / F0402G0R02FNTR / F0603G0R02FNTR	0.028	7.5	290	0.070	6×10^{-7}	Green
F0201G0R03FNTR / F0402G0R03FNTR / F0603G0R03FNTR	0.0375	4.8	230	0.094	8×10^{-7}	Red
F0201G0R05FNTR / F0402G0R05FNTR / F0603G0R05FNTR	0.050	3.4	250	0.125	2×10^{-6}	Blue
F0201G0R06FNTR / F0402G0R06FNTR / F0603G0R06FNTR	0.062	2.5	280	0.155	2×10^{-6}	Yellow
F0201G0R07FNTR / F0402G0R07FNTR / F0603G0R07FNTR	0.075	2.0	280	0.188	4×10^{-6}	Brown
F0201G0R10FNTR / F0402G0R10FNTR / F0603G0R10FNTR	0.100	2.4	300	0.250	7×10^{-6}	Red
F0201G0R12FNTR / F0402G0R12FNTR / F0603G0R12FNTR	0.125	1.6	250	0.312	1×10^{-5}	White
F0201G0R15FNTR / F0402G0R15FNTR / F0603G0R15FNTR	0.150	1.2	220	0.375	2×10^{-5}	Green
F0201G0R20FNTR* / F0402G0R20FNTR / F0603G0R20FNTR	0.200	0.8	210	0.500	4×10^{-5}	Pink
F0402G0R25FNTR / F0603G0R25FNTR	0.25	0.55	180	0.625	2×10^{-4}	Blue
F0402G0R37FNTR / F0603G0R37FNTR	0.375	0.30	150	0.938	3×10^{-4}	Red
F0402G0R50FNTR / F0603G0R50FNTR	0.5	0.20	140	1.25	7×10^{-4}	Green

*Blue Color Code