



AVR Automotive Series Chip Varistor Kit

Automotive Grade Multilayer Chip Varistor Kit



The TDK AVR Series Chip Varistors are used as a countermeasure for surge voltage and static electricity. AVR series varistors have excellent electrostatic absorption capability with as good or better response than Zener diodes. A Zener diode + capacitor combination can be replaced with an AVR series varistor, reducing footprint and total mounting cost.

Features

- No polarity due to symmetrical current-voltage characteristics
- AEC-Q200 compliant
- Excellent mount reliability
- Standard operating/storage temperature range:
 - AVRM1608: -40°C to $+125^{\circ}\text{C}$
 - AVRM2012: -40°C to $+125^{\circ}\text{C}$

AEC-Q200

Multilayer

Voltage Protection



[Datasheet](#)

Application Examples

- CAN-BUS
- ECU
- Connector
- Air conditioner panel
- Audio
- Navigation

AVR Automotive Series Chip Varistor Kit Includes:

Case Size: 1.6 x 0.8mm (EIA 1608) & 2.0 x 1.2mm (EIA 0805)

Varistor Voltage (Breakdown Voltage): 22-39V

Rated Voltage (max.): 16-28V

Capacitance: 15-800pF

Now Available at:



[445-174555-KIT-ND](#)

Click the link above for ordering information.

AVR Automotive Series Chip Varistor Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-174555-KIT-ND	AVR-M1608C220KT2AB	0603, 210pF, 22V
	AVR-M1608C220KT6AB	0603, 560pF, 22V
	AVR-M1608C270KT2AB	0603, 160pF, 27V
	AVR-M1608C270KT6AB	0603, 430pF, 27V
	AVRM1608C270KT800M	0603, 80pF, 27V
	AVR-M1608C270KTACB	0603, 60pF, 27V
	AVR-M1608C270MTAAB	0603, 30pF, 27V
	AVR-M1608C270MTABB	0603, 15pF, 27V
	AVRM1608C390KT271N	0603, 270pF, 39V
	AVR-M2012C220KT6AB	0805, 800pF, 22V
	AVR-M2012C390KT6AB	0805, 430pF, 39V