



## AVR 0603/0805 Series Chip Varistor Kit

### Commercial 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
- Excellent mount reliability
- Standard operating/storage temperature range:
  - AVRM1608: -40°C to +125°C
  - AVRL1608: -40°C to +85°C
  - AVRM2012: -40°C to +125°C

Commercial

Multilayer

Voltage Protection



[Datasheet](#)

#### Application Examples

##### Consumer Product

Mobile phone

Digital video camera

Digital camera

Notebook PC

##### Application

Data terminal

LCD panel

Touch panel

Battery terminal

## AVR 0603/0805 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):** 8-90V

**Rated Voltage (max.):** 5.5-11V

**Capacitance:** 1.1-1050pF

Now Available at:



[445-174554-KIT-ND](#)

Click the link above for ordering information.

## AVR 0603/0805 Series Chip Varistor Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-174554-KIT-ND	AVR-M1608C080MTAAB	0603, 650pF, 8V
	AVR-M1608C120MT2AB	0603, 400pF, 12V
	AVR-M1608C120MT6AB	0603, 1050pF, 12V
	AVR-M1608C180MT6AB	0603, 600pF, 18V
	AVR-M2012C120MT6AB	0805, 1000pF, 12V
	AVRL161A1R1NTA	0603, 1.1pF, 90V
	AVRL161A1R1NTB	0603, 1.1pF, 39V
	AVRL161A3R3FTA	0603, 3.3pF, 27V
	AVRL161A6R8GTA	0603, 6.8pF, 27V