

AVR 0402 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:
 - AVRM1005: -40°C to $+125^{\circ}\text{C}$
 - AVRL1005: -40°C to $+85^{\circ}\text{C}$

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 0402 Series Chip Varistor Kit Includes:

Case Size: 1.0 x 0.5mm (EIA 0402)
Varistor Voltage (Breakdown Voltage): 6.8-90V
Rated Voltage (max.): 3.5-19V
Capacitance: 1.1-480pF

Now Available at:



[445-174553-KIT-ND](#)

Click the link above for ordering information.

AVR 0402 Series Chip Varistor Kit Includes:

| Digi-Key Part Number | TDK Item List | Item Description |
|----------------------|--------------------|-------------------|
| 445-174553-KIT-ND | AVRL101A1R1NTA | 0402, 1.1pF, 90V |
| | AVRL101A1R1NTB | 0402, 1.1pF, 39V |
| | AVRL101A3R3FTA | 0402, 3.3pF, 27V |
| | AVRL101A6R8GTA | 0402, 6.8pF, 27V |
| | AVR-M1005C080MTAAB | 0402, 650pF, 8V |
| | AVR-M1005C080MTABB | 0402, 100pF, 8V |
| | AVR-M1005C080MTACB | 0402, 33pF, 8V |
| | AVR-M1005C080MTADB | 0402, 480pF, 8V |
| | AVR-M1005C120MTAAB | 0402, 130pF, 12V |
| | AVR-M1005C120MTACC | 0402, 460pF, 12V |
| | AVR-M1005C180MTAAB | 0402, 120pF, 18V |
| | AVRM1005C270KT101N | 0402, 100pF, 27V |
| | AVR-M1005C270MTAAB | 0402, 40pF, 27V |
| | AVR-M1005C270MTABB | 0402, 15pF, 27V |
| | AVRM1005C6R8NT101N | 0402, 100pF, 6.8V |
| | AVRM1005C6R8NT331N | 0402, 330pF, 6.8V |