

# MMZ1608 Series Ferrite Bead Kit

## Automotive Grade Ferrite Chip Bead Kit



The TDK MMZ1608 Series ferrite chip beads are used to suppress noise in signal line circuits. They are effective at reducing noise simply by being placed into the circuit in series. Multilayer chip beads consist of ferrite material and a conductive paste layered together. Static characteristics of a chip bead are typically described as the impedance value  $Z$  at a frequency of 100MHz. While several different chip beads could provide the same impedance value at 100MHz, it is important to look at their individual frequency characteristics to determine which bead will work best for the circuit within the required frequency range. TDK offers several material types which provide various frequency characteristics for the MMZ1608 series chip beads.

### Features

- AEC-Q200 Qualified
- Noise reduction solution for general signal line
- Various frequency characteristics with different materials
- Countermeasures from general signals to high-speed signals
- Conforms to RoHS directive, halogen free, & compatible with lead-free soldering
- Standard operating temperature range of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Storage temperature range of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (after PC board mounting)

### Applications

- ECUs
- Body Controls
- Powertrains
- Car Multimedia (Telematics)

**Automotive**

**General Signal Line**



[Datasheet](#)

## MMZ1608 Series Automotive Chip Bead Kit Includes:

Kit	MMZ1608AUTO-1-KIT	MMZ1608AUTO-2-KIT
Case Size	1608—1.6x0.8mm	
Impedance Range	15-2000 $\Omega$ Z	3-2500 $\Omega$ Z
Current Rating	200-1500mA	
Total Pieces in Kit	210 (10 pieces per value)	250 (10 pieces per value)

Now Available at:



[445-174604-KIT-ND](#)

[445-174605-KIT-ND](#)

Click the links above for ordering information.

## MMZ1608 Series Automotive Chip Bead Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Impedance Value Tol	Series
445-174604-KIT-ND	MMZ1608B121CTDH5	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608B221CTDH5	1608, Bead, 220Ω±25%	MMZ1608
	MMZ1608B301CTDH5	1608, Bead, 300Ω±25%	MMZ1608
	MMZ1608B471CTDH5	1608, Bead, 470Ω±25%	MMZ1608
	MMZ1608B601CTDH5	1608, Bead, 600Ω±25%	MMZ1608
	MMZ1608B102CTD25	1608, Bead, 1000Ω±25%	MMZ1608
	MMZ1608R150ATD25	1608, Bead, 15Ω±25%	MMZ1608
	MMZ1608R300ATD25	1608, Bead, 30Ω±25%	MMZ1608
	MMZ1608R600ATD25	1608, Bead, 60Ω±25%	MMZ1608
	MMZ1608R121ATD25	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608R301ATD25	1608, Bead, 300Ω±25%	MMZ1608
	MMZ1608R471ATD25	1608, Bead, 470Ω±25%	MMZ1608
	MMZ1608R601ATD25	1608, Bead, 600Ω±25%	MMZ1608
	MMZ1608R102ATD25	1608, Bead, 1000Ω±25%	MMZ1608
	MMZ1608S400ATD25	1608, Bead, 40Ω±25%	MMZ1608
	MMZ1608S800ATD25	1608, Bead, 80Ω±25%	MMZ1608
	MMZ1608S121ATD25	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608S181ATD25	1608, Bead, 180Ω±25%	MMZ1608
	MMZ1608S601ATD25	1608, Bead, 600Ω±25%	MMZ1608
	MMZ1608S102ATD25	1608, Bead, 1000Ω±25%	MMZ1608
MMZ1608S202ATD25	1608, Bead, 2000Ω±25%	MMZ1608	
445-174605-KIT-ND	MMZ1608Y150BTD25	1608, Bead, 15Ω±25%	MMZ1608
	MMZ1608Y300BTD25	1608, Bead, 30Ω±25%	MMZ1608
	MMZ1608Y600BTD25	1608, Bead, 60Ω±25%	MMZ1608
	MMZ1608Y121BTD25	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608Y301BTD25	1608, Bead, 300Ω±25%	MMZ1608
	MMZ1608Y601BTD25	1608, Bead, 600Ω±25%	MMZ1608
	MMZ1608Y751BTD25	1608, Bead, 750Ω±25%	MMZ1608
	MMZ1608Y102BTD25	1608, Bead, 1000Ω±25%	MMZ1608
	MMZ1608Y152BTD25	1608, Bead, 1500Ω±25%	MMZ1608
	MMZ1608A182BTD25	1608, Bead, 1800Ω±25%	MMZ1608
	MMZ1608A222BTD25	1608, Bead, 2200Ω±25%	MMZ1608
	MMZ1608A252BTD25	1608, Bead, 2500Ω±25%	MMZ1608
	MMZ1608Q221BTD25	1608, Bead, 220Ω±25%	MMZ1608
	MMZ1608Q601BTD25	1608, Bead, 600Ω±25%	MMZ1608
	MMZ1608Q102BTD25	1608, Bead, 1000Ω±25%	MMZ1608
	MMZ1608D100CTDH5	1608, Bead, 10Ω±5Ω	MMZ1608
	MMZ1608D220CTDH5	1608, Bead, 22Ω±25%	MMZ1608
	MMZ1608D800BTD25	1608, Bead, 80Ω±25%	MMZ1608
	MMZ1608D500CTDH5	1608, Bead, 50Ω±25%	MMZ1608
	MMZ1608D121CTDH5	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608D241CTD25	1608, Bead, 240Ω±25%	MMZ1608
	MMZ1608D121BTD25	1608, Bead, 120Ω±25%	MMZ1608
	MMZ1608D301BTD25	1608, Bead, 300Ω±25%	MMZ1608
	MMZ1608F030BTD25	1608, Bead, 3typ.Ω	MMZ1608
	MMZ1608F750BTD25	1608, Bead, 75Ω±25%	MMZ1608