



MMZ1608 Series Ferrite Bead Kit

Consumer Grade Standard 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

- 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°C to $+125^{\circ}\text{C}$
- Storage temperature range of -55°C to $+125^{\circ}\text{C}$ (after PC board mounting)

General Signal Line

Consumer



[Datasheet](#)

Applications

- Household Appliances
- Smart Meters
- STBs
- Industrial Equipment
- Recorders
- Mobile Devices, such as Smartphones and Tablet PCs

MMZ1608 Series Ferrite Chip Bead Kit Includes:

Kit	MMZ1608-1-KIT	MMZ1608-2-KIT
Case Size	1608—1.6x0.8mm	
Impedance Range	15-2500 Ω Z	3-1500 Ω Z
Current Rating	200-1500mA	
Total Pieces in Kit	270 (10 pieces per value)	290 (10 pieces per value)

Now Available at:



[445-174606-KIT-ND](#)

[445-174607-KIT-ND](#)

Click the links above for ordering information.

MMZ1608 Series Ferrite Chip Bead Kit Includes:

Digi-Key Part Number	TDK Part Number	Case Size Impedance Value Tol	Series
445-174606-KIT-ND	MMZ1608B121CTAH0	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608B221CTAH0	1608, Bead, 220Ω (±25%)	MMZ1608
	MMZ1608B301CTAH0	1608, Bead, 300Ω (±25%)	MMZ1608
	MMZ1608B471CTAH0	1608, Bead, 470Ω (±25%)	MMZ1608
	MMZ1608B601CTAH0	1608, Bead, 600Ω (±25%)	MMZ1608
	MMZ1608B102CTA00	1608, Bead, 1000Ω (±25%)	MMZ1608
	MMZ1608R150ATA00	1608, Bead, 15Ω (±25%)	MMZ1608
	MMZ1608R300ATA00	1608, Bead, 30Ω (±25%)	MMZ1608
	MMZ1608R600ATA00	1608, Bead, 60Ω (±25%)	MMZ1608
	MMZ1608R121ATA00	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608R301ATA00	1608, Bead, 300Ω (±25%)	MMZ1608
	MMZ1608R471ATA00	1608, Bead, 470Ω (±25%)	MMZ1608
	MMZ1608R601ATA00	1608, Bead, 600Ω (±25%)	MMZ1608
	MMZ1608R102ATA00	1608, Bead, 1000Ω (±25%)	MMZ1608
	MMZ1608S400ATA00	1608, Bead, 40Ω (±25%)	MMZ1608
	MMZ1608S800ATA00	1608, Bead, 80Ω (±25%)	MMZ1608
	MMZ1608S121ATA00	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608S181ATA00	1608, Bead, 180Ω (±25%)	MMZ1608
	MMZ1608S221ATA00	1608, Bead, 220Ω (±25%)	MMZ1608
	MMZ1608S301ATA00	1608, Bead, 300Ω (±25%)	MMZ1608
	MMZ1608S471ATA00	1608, Bead, 470Ω (±25%)	MMZ1608
	MMZ1608S601ATA00	1608, Bead, 600Ω (±25%)	MMZ1608
	MMZ1608S102ATA00	1608, Bead, 1000Ω (±25%)	MMZ1608
	MMZ1608S202ATA00	1608, Bead, 2000Ω (±25%)	MMZ1608
	MMZ1608A182BTA00	1608, Bead, 1800Ω (±25%)	MMZ1608
	MMZ1608A222BTA00	1608, Bead, 2200Ω (±25%)	MMZ1608
	MMZ1608A252BTA00	1608, Bead, 2500Ω (±25%)	MMZ1608
445-174607-KIT-ND	MMZ1608Y150BTA00	1608, Bead, 15Ω (±25%)	MMZ1608
	MMZ1608Y300BTA00	1608, Bead, 30Ω (±25%)	MMZ1608
	MMZ1608Y600BTA00	1608, Bead, 60Ω (±25%)	MMZ1608
	MMZ1608Y221BTA00	1608, Bead, 220Ω (±25%)	MMZ1608
	MMZ1608Y301BTA00	1608, Bead, 300Ω (±25%)	MMZ1608
	MMZ1608Y471BTA00	1608, Bead, 470Ω (±25%)	MMZ1608
	MMZ1608Y601BTA00	1608, Bead, 600Ω (±25%)	MMZ1608
	MMZ1608Y751BTA00	1608, Bead, 750Ω (±25%)	MMZ1608
	MMZ1608Y102BTA00	1608, Bead, 1000Ω (±25%)	MMZ1608
	MMZ1608Y152BTA00	1608, Bead, 1500Ω (±25%)	MMZ1608
	MMZ1608Q121BTA00	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608Q221BTA00	1608, Bead, 220Ω (±25%)	MMZ1608
	MMZ1608Q331BTA00	1608, Bead, 330Ω (±25%)	MMZ1608
	MMZ1608Q471BTA00	1608, Bead, 470Ω (±25%)	MMZ1608
	MMZ1608Q601BTA00	1608, Bead, 600Ω (±25%)	MMZ1608
	MMZ1608Q102BTA00	1608, Bead, 1000Ω (±25%)	MMZ1608
	MMZ1608D050CTA00	1608, Bead, 5Ω (±2Ω)	MMZ1608
	MMZ1608D100CTAH0	1608, Bead, 10Ω (±5Ω)	MMZ1608
	MMZ1608D220CTAH0	1608, Bead, 22Ω (±25%)	MMZ1608
	MMZ1608D800CTAH0	1608, Bead, 80Ω (±25%)	MMZ1608
	MMZ1608D800BTA00	1608, Bead, 80Ω (±25%)	MMZ1608
	MMZ1608D121CTAH0	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608D121BTA00	1608, Bead, 120Ω (±25%)	MMZ1608
	MMZ1608D241CTA00	1608, Bead, 240Ω (±25%)	MMZ1608
	MMZ1608D301BTA00	1608, Bead, 300Ω (±25%)	MMZ1608
	MMZ1608F030BTA00	1608, Bead, 3Ω	MMZ1608
	MMZ1608F470BTA00	1608, Bead, 47Ω (±25%)	MMZ1608
	MMZ1608F750BTA00	1608, Bead, 75Ω (±25%)	MMZ1608
	MMZ1608F121BTA00	1608, Bead, 120Ω (±25%)	MMZ1608