MPZ1608 Series Ferrite Bead Kit

Consumer Grade Ferrite Power Chip Bead Kit

The TDK MPZ1608 Series ferrite power chip beads are used to suppress noise in **power** supply 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 have 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 MPZ series chip beads.

Features

- Noise reduction solution for power line
- Has low direct current resistance for compatibility with large currents, optimal for low power consumption
- Conforms to RoHS directive, halogen free, & compatible with lead-free soldering
- Standard operating temperature range of –55°C to +125°C
- Storage temperature range of –55°C to +125°C (after PC board mounting)

Power Line

Consumer

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

Datasheet

Applications

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

MPZ1608 Series Ferrite Chip Bead Kit Includes:

Case Size: 1608
Impedance Range: 26-1000Ω (±25%)
Current Rating: 6000-800mA

Kit contains 400 pieces total—20 pieces per value

Now Available at: Digi-Key Corporation

445-173064-KIT-ND

Click the links above for ordering information.

MPZ1608 Series Ferrite Chip Bead Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-173064-KIT-ND	MPZ1608B471ATA00	1608, Bead, 470Ω, ±25%, 1000mA
	MPZ1608S260ATAH0	1608, Bead, 26Ω, ±25%, 6000mA
	MPZ1608S300ATAH0	1608, Bead, 30Ω, ±10Ω, 5000ma
	MPZ1608S600ATAH0	1608, Bead 60Ω, ±25%, 3500mA
	MPZ1608S101ATAH0	1608, Bead, 100Ω, ±25%, 3000mA
	MPZ1608S121ATAH0	1608, Bead, 120Ω, ±25%, 2000mA
	MPZ1608S181ATAH0	1608, Bead, 180Ω, ±25%, 2000mA
	MPZ1608S221ATA00	1608, Bead, 220Ω, ±25%, 2200mA
	MPZ1608S331ATA00	1608, Bead, 330Ω, ±25%, 1700mA
	MPZ1608S471ATA00	1608, Bead, 470Ω, ±25%, 1000mA
	MPZ1608S601ATA00	1608, Bead, 600Ω, ±25%, 1000mA
	MPZ1608S102ATA00	1608, Bead, 1000Ω, ±25%, 800mA
	MPZ1608R391ATA00	1608, Bead, 390Ω, ±25%, 1200mA
	MPZ1608Y600BTA00	1608, Bead, 60Ω, ±25%, 2000mA
	MPZ1608Y101BTA00	1608, Bead, 100Ω, ±25%, 2300mA
	MPZ1608Y151BTA00	1608, Bead, 150Ω, ±25%, 1800mA
	MPZ1608Y221BTA00	1608, Bead, 220Ω, ±25%, 1500mA
	MPZ1608D300BTA00	1608, Bead, 30Ω, ±10Ω, 1800mA
	MPZ1608D600BTA00	1608, Bead, 600Ω, ±25%, 1200mA
	MPZ1608D101BTA00	1608, Bead, 100Ω, ±25%, 1000mA