



MMZ2012 Series Ferrite Bead Kit



Consumer Grade Ferrite Chip Bead Kit

The TDK MMZ2012 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 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 MMZ 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

MMZ2012 Series Ferrite Chip Bead Kit Includes:

Case Size: 2012

Impedance Range: $15\text{-}2000\Omega$ ($\pm 25\%$)

Current Rating: 1500-400mA

Kit contains 520 pieces total—20 pieces per value

Now Available at:



445-173063-KIT-ND

Click the links above for ordering information.

MMZ2012 Series Ferrite Chip Bead Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-173063-KIT-ND	MMZ2012R150AT000	2012, Bead, 15Ω, ±25%, 1500mA
	MMZ2012R300AT000	2012, Bead, 30Ω, ±25%, 1500mA
	MMZ2012R600AT000	2012, Bead, 60Ω, ±25%, 1000mA
	MMZ2012R121AT000	2012, Bead, 120Ω, ±25%, 800mA
	MMZ2012R301AT000	2012, Bead, 300Ω, ±25%, 600mA
	MMZ2012R601AT000	2012, Bead, 600Ω, ±25%, 500mA
	MMZ2012R102AT000	2012, Bead, 1000Ω, ±25%, 500mA
	MMZ2012S400AT000	2012, Bead 40Ω, ±25%, 1000mA
	MMZ2012S800AT000	2012, Bead, 80Ω, ±25%, 800mA
	MMZ2012S121AT000	2012, Bead, 120Ω, ±25%, 800mA
	MMZ2012S181AT000	2012, Bead, 180Ω, ±25%, 600mA
	MMZ2012S301AT000	2012, Bead, 300Ω, ±25%, 600mA
	MMZ2012S601AT000	2012, Bead, 600Ω, ±25%, 500mA
	MMZ2012S102AT000	2012, Bead, 1000Ω, ±25%, 500mA
	MMZ2012Y150BT000	2012, Bead, 15Ω, ±25%, 1500mA
	MMZ2012Y300BT000	2012, Bead, 30Ω, ±25%, 1500mA
	MMZ2012Y600BT000	2012, Bead, 60Ω, ±25%, 1000mA
	MMZ2012Y121BT000	2012, Bead, 120Ω, ±25%, 800mA
	MMZ2012Y301BT000	2012, Bead, 300Ω, ±25%, 600mA
	MMZ2012Y601BT000	2012, Bead, 600Ω, ±25%, 500mA
	MMZ2012Y102BT000	2012, Bead, 1000Ω, ±25%, 500mA
	MMZ2012Y152BT000	2012, Bead, 1500Ω, ±25%, 500mA
	MMZ2012Y202BT000	2012, Bead, 2000Ω, ±25%, 400mA
	MMZ2012D800BT000	2012, Bead, 80Ω, ±25%, 500mA
	MMZ2012D121BT000	2012, Bead, 120Ω, ±25%, 500mA
	MMZ2012D301BT000	2012, Bead, 300Ω, ±25%, 400mA