



## MMZ1005 Series Ferrite Bead Kit

### Consumer Grade Standard Ferrite Chip Bead Kit



The TDK MMZ1005 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 MMZ1005 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  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Storage temperature range of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (after PC board mounting)

General Signal Line

Consumer



[Datasheet](#)

#### Applications

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

### MMZ1005 Series Ferrite Chip Bead Kit Includes:

**Case Size:** 1005 (1.0 x 0.5mm)  
**Impedance Range:** 10-1800 $\Omega$  ( $\pm 25\%$ )  
**Current Rating:** 100-550mA

Kit contains 270 pieces total—10 pieces per value

Now Available at:



[445-174587-KIT-ND](#)

*Click the links above for ordering information.*

## MMZ1005 Series Ferrite Chip Bead Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-174587-KIT-ND	MMZ1005B800CT000	1005, Bead,80Ω±25%
	MMZ1005B121CT000	1005, Bead,120Ω±25%
	MMZ1005B601CT000	1005, Bead,600Ω±25%
	MMZ1005S800CT000	1005, Bead,80Ω±25%
	MMZ1005S121CT000	1005, Bead,120Ω±25%
	MMZ1005S241CT000	1005, Bead,240Ω±25%
	MMZ1005S601CT000	1005, Bead,600Ω±25%
	MMZ1005S102CT000	1005, Bead,1000Ω±25%
	MMZ1005Y400CT000	1005, Bead,40Ω±25%
	MMZ1005Y800CT000	1005, Bead,80Ω±25%
	MMZ1005Y121CT000	1005, Bead,120Ω±25%
	MMZ1005Y241CT000	1005, Bead,240Ω±25%
	MMZ1005Y301CT000	1005, Bead,300Ω±25%
	MMZ1005Y471CT000	1005, Bead,470Ω±25%
	MMZ1005Y601CT000	1005, Bead,600Ω±25%
	MMZ1005Y102CT000	1005, Bead,1000Ω±25%
	MMZ1005Y152CT000	1005, Bead,1500Ω±25%
	MMZ1005Y182CT000	1005, Bead,1800Ω±25%
	MMZ1005D100CT000	1005, Bead,10Ω±5ΩΩ
	MMZ1005D220CT000	1005, Bead,22Ω±25%
	MMZ1005D330CT000	1005, Bead,33Ω±25%
	MMZ1005D680CT000	1005, Bead,68Ω±25%
	MMZ1005D121CT000	1005, Bead,120Ω±25%
	MMZ1005D241CT000	1005, Bead,240Ω±25%
	MMZ1005F330CT000	1005, Bead,33Ω±25%
	MMZ1005F470CT000	1005, Bead,47Ω±25%
	MMZ1005F560CT000	1005, Bead,56Ω±25%