

Multilayer Chip Ferrite Beads-KHBF Series

Features

- Wide range of frequency to suppress EMI.
- Wide range of impedance values for various applications.
- Internal silver printed layers and magnetic shielded structure.
- Operating temperature range $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise).



Application

- Perfect as data line filter and for uncoupling of distribution voltage.

Product Identification

KFBF 1005 - 300 Y
 ① ② ③ ④

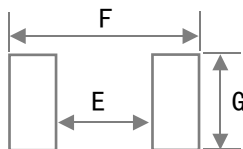
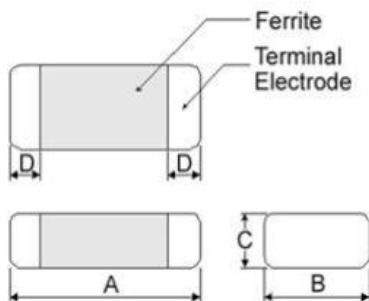
①	Type
KGBF	High Current Ferrite Bead

②	E*ternal Dimensions (L*W*H) [mm]
KGBF1005	1.0*0.5*0.5
KGBF1608	1.6*0.8*0.8

③	Nominal Impedance
example	Nominal Value
300	30 Ω

④	Impedance Tolerance
example	Nominal Value
Y	$\pm 25\%$

SHAPE AND DIMENSIONS



Unite:mm

Series	A	B	C	D	E _{Typ}	F _{Typ}	G _{Typ}	SPQ
KGBF1005	1.0 \pm 0.1	0.5 \pm 0.1	0.5 \pm 0.1	0.25 \pm 0.1	0.4	1.3	0.5	10000
KGBF1608	1.6 \pm 0.15	0.8 \pm 0.15	0.8 \pm 0.15	0.3 \pm 0.2	0.7	1.8	0.8	4000

Multilayer Chip Ferrite Beads-KHBF Series

SPECIFICATIONS

KFBF1005 Series

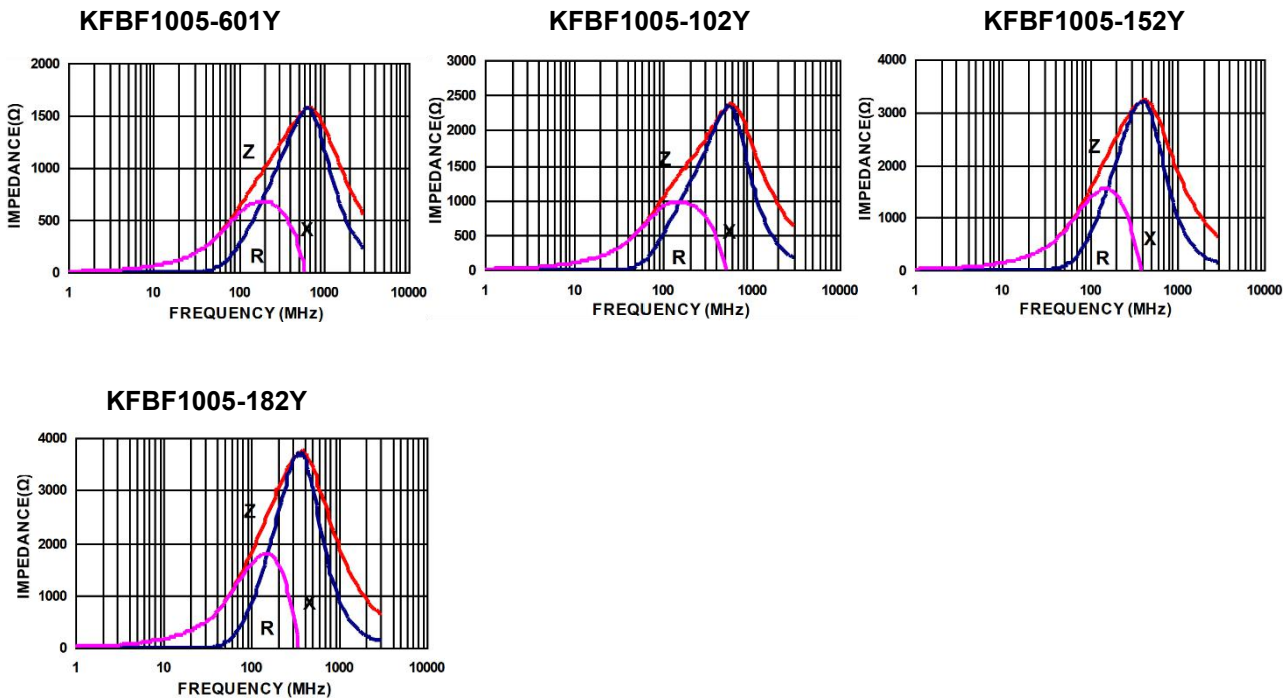
Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KFBF1005-601Y	600	25	100	0.85	0.30
KFBF1005-102Y	1000	25	100	1.25	0.25
KFBF1005-152Y	1500	25	100	2.20	0.05
KFBF1005-182Y	1800	25	100	2.20	0.20

KFBF1608 Series

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KFBF1608-181Y	180	25	100	0.55	0.2
KFBF1608-301Y	300	25	100	0.80	0.2
KFBF1608-471Y	471	25	100	0.85	0.2
KFBF1608-601Y	600	25	100	1.0	0.2

TYPICAL ELECTRICAL CHARACTERISTICS

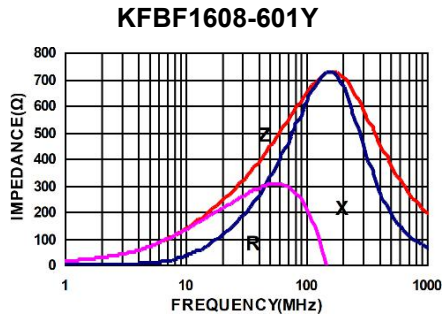
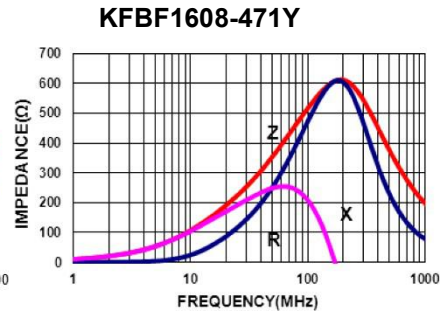
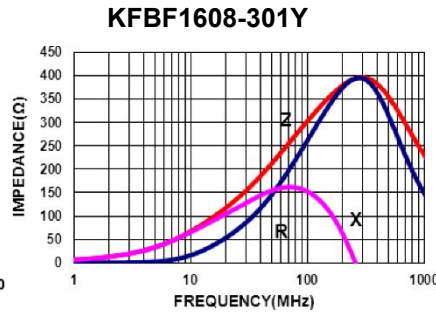
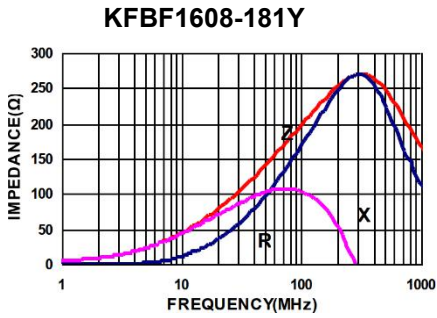
KFBF1005 Series



Multilayer Chip Ferrite Beads-KHBF Series

TYPICAL ELECTRICAL CHARACTERISTICS

KFBF1608 Series



Notes:

- Rate Current: Applied the current to chip bead, the temperature rise shall not be more than 30°C.
- Measure Equipment: Z: HP4291A RDC: HP4338B or CHEN HWA502