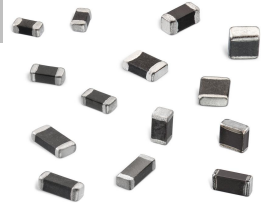


Multilayer Chip Ferrite Beads-KHBF Series

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°C~125°C(Including self - temperature rise).



Application

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

Product Identification

KHBF 1005 - 300 Y
 ① ② ③ ④

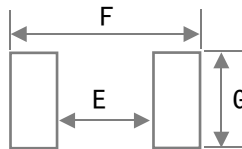
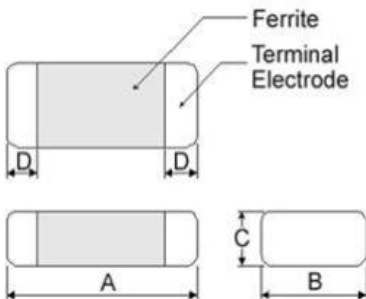
①	Type
KGBF	High Current Ferrite Bead

②	E*ternal Dimensions (L*W*H) [mm]
KGBF1005	1.0*0.5*0.5
KGBF1608	1.6*0.8*0.8
KGBF2012	2.0*1.25*0.9

③	Nominal Impedance
example	Nominal Value
300	30 Ω

④	ImpedanceTolerance
example	Nominal Value
Y	±25%

SHAPE AND DIMENSIONS



Unite:mm

Series	A	B	C	D	E _{Typ}	F _{Typ}	G _{Typ}	SPQ
KGBF1005	1.0±0.1	0.5±0.1	0.5±0.1	0.25±0.1	0.4	1.3	0.5	10000
KGBF1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2	0.7	1.8	0.8	4000
KGBF2012	2.0±0.2	1.25±0.2	0.9±0.2	0.5±0.3	1.0	2.6	1.2	4000

Multilayer Chip Ferrite Beads-KHBF Series

SPECIFICATIONS

KHBF1005 Series

Part Number	Impedance (Ω)	Tolerance (±%)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KHBF1005-300Y	30	25	100	0.035	2.2
KHBF1005-600Y	60	25	100	0.075	1.5
KHBF1005-800Y	80	25	100	0.07	1.5
KHBF1005-121Y	120	25	100	0.09	1.3
KHBF1005-221Y	220	25	100	0.16	0.9
KHBF1005-601Y	600	25	100	0.50	0.5
KHBF1005-102Y	1000	25	100	0.65	0.3

KHBF1608 Series

Part Number	Impedance (Ω)	Tolerance (±%)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KHBF1608-300Y	30	25	100	0.02	4.5
KHBF1608-600Y	60	25	100	0.02	3.5
KHBF1608-101Y	100	25	100	0.03	3.0
KHBF1608-181Y	180	25	100	0.05	2.2
KHBF1608-221Y	220	25	100	0.05	2.2
KHBF1608-301Y	300	25	100	0.18	1.5
KHBF1608-601Y	600	25	100	0.18	1.2
KHBF1608-102Y	1000	25	100	0.40	0.6

KHBF2012 Series

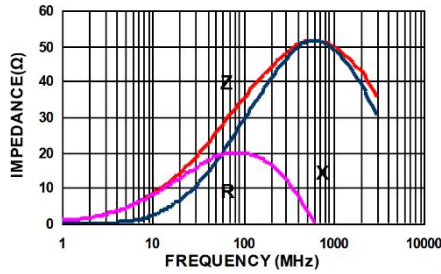
Part Number	Impedance (Ω)	Tolerance (±%)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KHBF2012-220Y	22	25	100	0.012	6.0
KHBF2012-300Y	30	25	100	0.012	6.0
KHBF2012-600Y	60	25	100	0.02	4.0
KHBF2012-800Y	80	25	100	0.02	4.0
KHBF2012-121Y	120	25	100	0.02	4.0
KHBF2012-221Y	220	25	100	0.04	3.0
KHBF2012-331Y	330	25	100	0.05	2.5
KHBF2012-471Y	470	25	100	0.10	2.0
KHBF2012-601Y	600	25	100	0.10	2.0
KHBF2012-102Y	1000	25	100	0.12	1.5
KHBF2012-152Y	1500	25	100	0.30	1.0

Multilayer Chip Ferrite Beads-KHBF Series

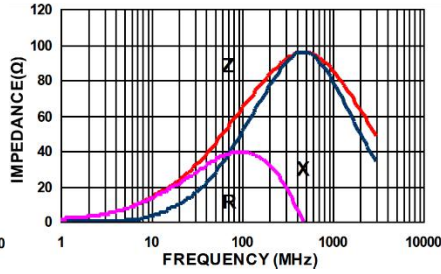
TYPICAL ELECTRICAL CHARACTERISTICS

KHBF1005 Series

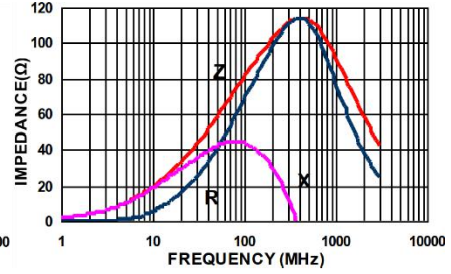
KHBF1005-300Y



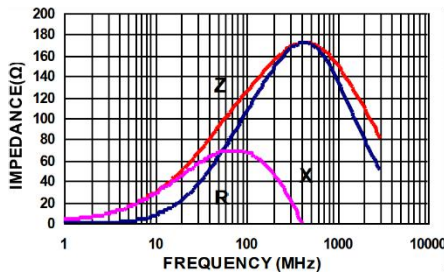
KHBF1005-600Y



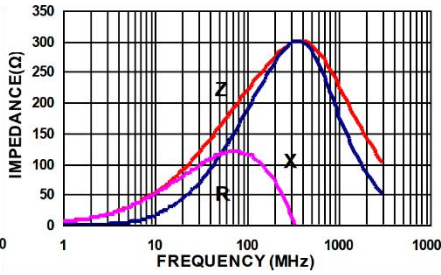
KHBF1005-800Y



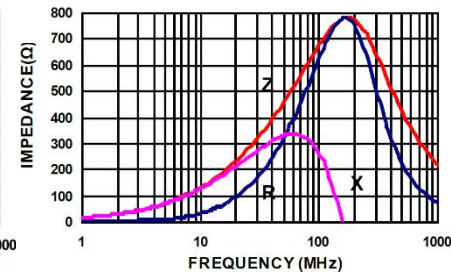
KHBF1005-121Y



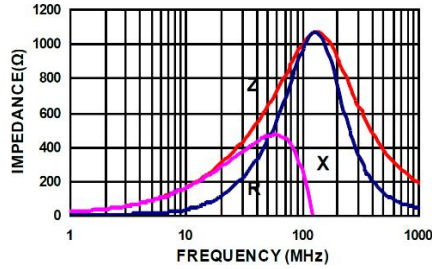
KHBF1005-221Y



KHBF1005-601Y

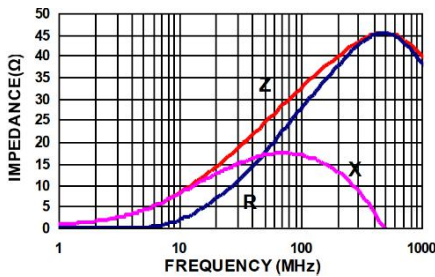


KHBF1005-102Y

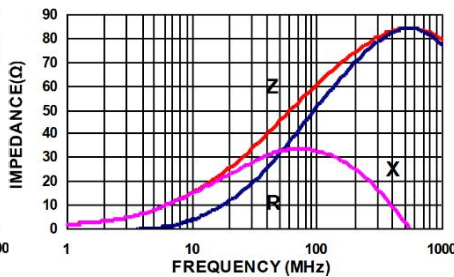


KHBF1608 Series

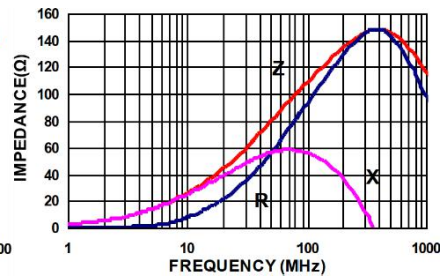
KHBF1608-300Y



KHBF1608-600Y

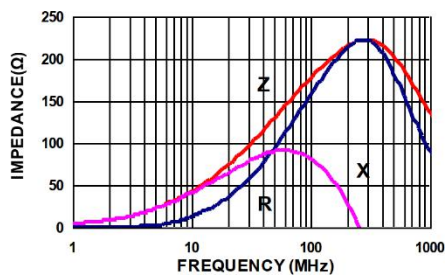


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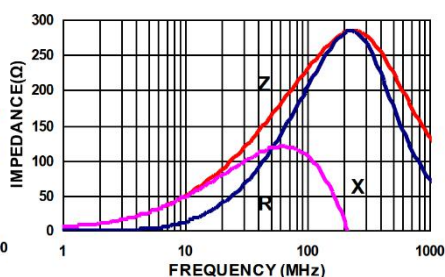


Multilayer Chip Ferrite Beads-KHBF Series

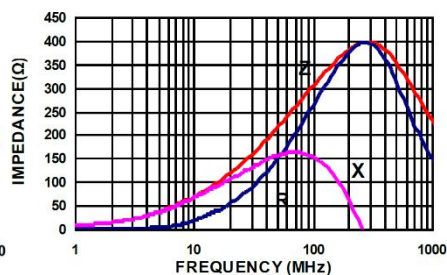
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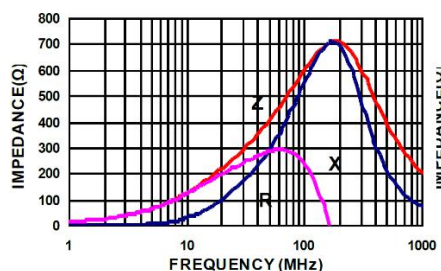
KHBF1608-221Y



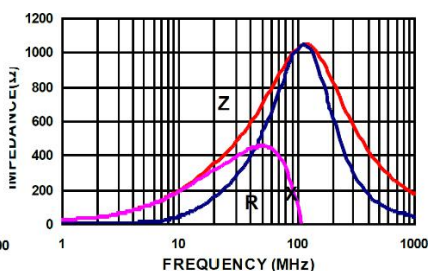
KHBF1608-301Y



KHBF1608-601Y

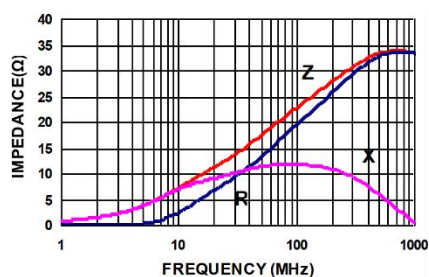


KHBF1608-102Y

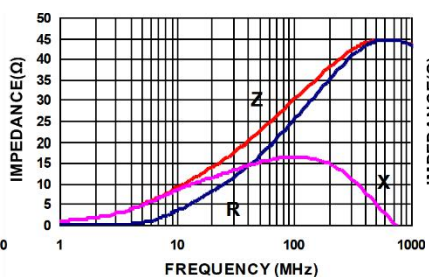


KHBF2012 Series

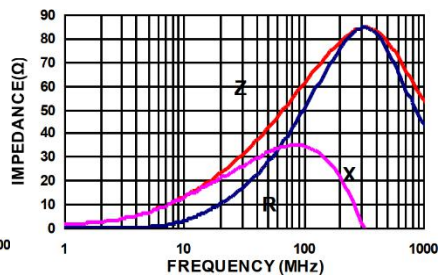
KHBF2012-220Y



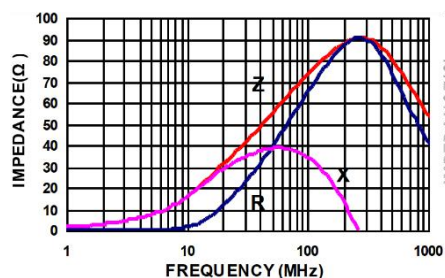
KHBF2012-300Y



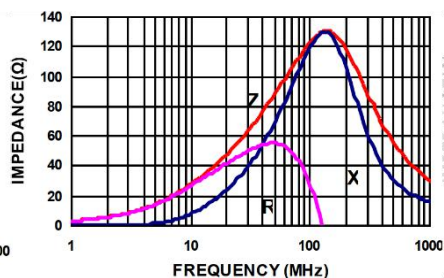
KHBF2012-600Y



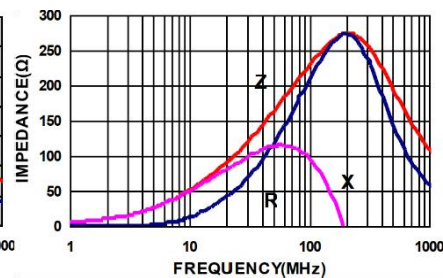
KHBF2012-800Y



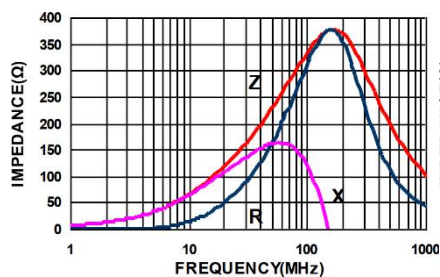
KHBF2012-121Y



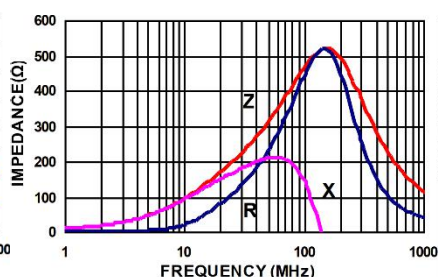
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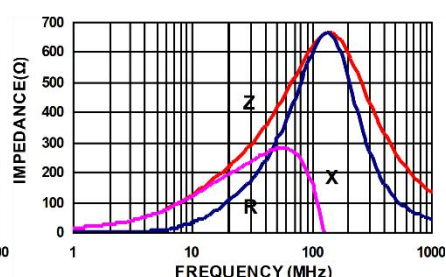
KHBF2012-331Y



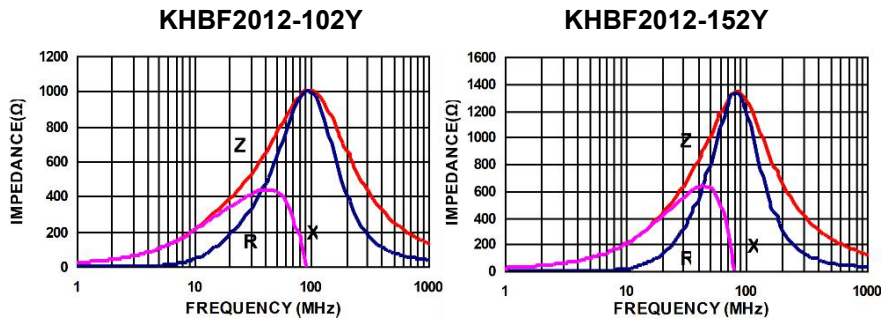
KHBF2012-471Y



KHBF2012-601Y



TYPICAL ELECTRICAL CHARACTERISTICS



Notes:

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