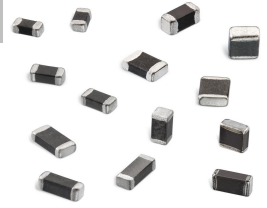


Multilayer Chip Ferrite Beads-KBF Series

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

KGBF 1005 - 300 Y
 ① ② ③ ④

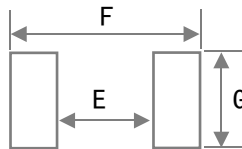
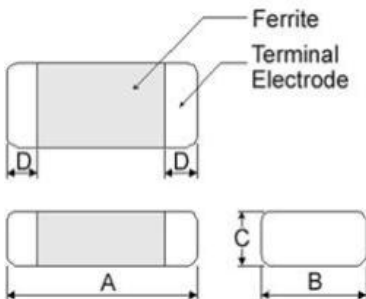
①	Type
KGBF	General Ferrite Bead

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
KGBF3216	3.2*1.6*1.1

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
KGBF3216	3.2±0.2	1.6±0.2	1.1±0.2	0.5±0.3	2.0	4.2	1.6	3000

Multilayer Chip Ferrite Beads-KBF Series**SPECIFICATIONS****KGBF1005 Series**

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KGBF1005-100Y	10	25	100	0.06	0.70
KGBF1005-300Y	30	25	100	0.08	0.70
KGBF1005-700Y	70	25	100	0.20	0.45
KGBF1005-121Y	120	25	100	0.25	0.45
KGBF1005-221Y	220	25	100	0.40	0.30
KGBF1005-601Y	600	25	100	0.90	0.20
KGBF1005-102Y	1000	25	100	1.00	0.20

KGBF1608 Series

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KGBF1608-300Y	30	25	100	0.08	1.0
KGBF1608-600Y	60	25	100	0.12	1.0
KGBF1608-121Y	120	25	100	0.15	1.0
KGBF1608-221Y	220	25	100	0.20	1.0
KGBF1608-301Y	300	25	100	0.25	1.0
KGBF1608-471Y	470	25	100	0.30	1.0
KGBF1608-601Y	600	25	100	0.30	1.0

KGBF2012 Series

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KGBF2012-300Y	30	25	100	0.05	3.0
KGBF2012-600Y	60	25	100	0.06	3.0
KGBF2012-121Y	120	25	100	0.10	2.0
KGBF2012-221Y	220	25	100	0.15	2.0
KGBF2012-301Y	300	25	100	0.20	2.0
KGBF2012-421Y	420	25	100	0.25	1.5
KGBF2012-601Y	600	25	100	0.25	1.5
KGBF2012-102Y	1000	25	100	0.30	0.8

Multilayer Chip Ferrite Beads-KBF Series

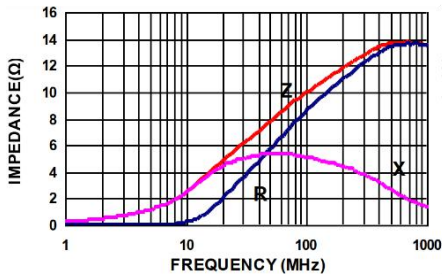
KGBF3216 Series

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KGBF3216-300Y	30	25	100	0.07	3.0
KGBF3216-600Y	60	25	100	0.07	3.0
KGBF3216-121Y	120	25	100	0.07	3.0
KGBF3216-221Y	220	25	100	0.12	2.5
KGBF3216-301Y	300	25	100	0.15	2.0
KGBF3216-601Y	600	25	100	0.20	2.0
KGBF3216-102Y	1000	25	100	0.25	2.0

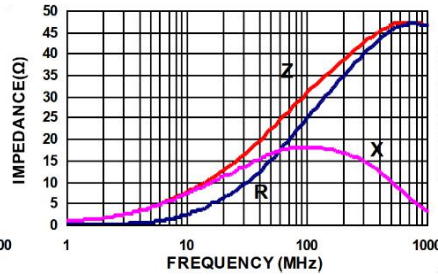
TYPICAL ELECTRICAL CHARACTERISTICS

KGBF1005 Series

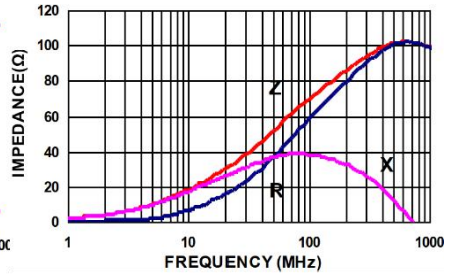
KGBF1005-100Y



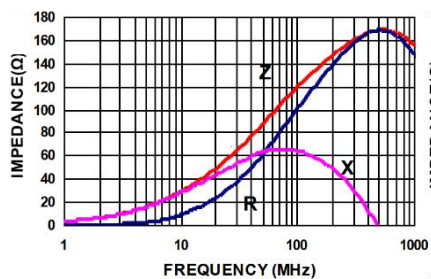
KGBF1005-300Y



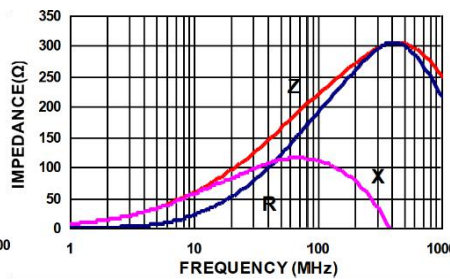
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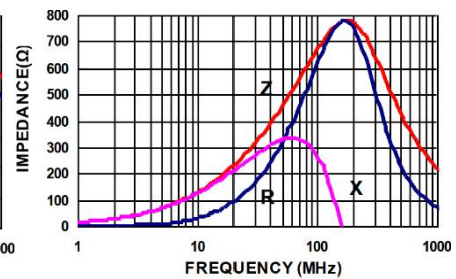
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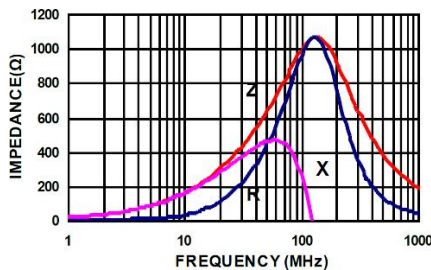
KGBF1005-221Y



KGBF1005-601Y

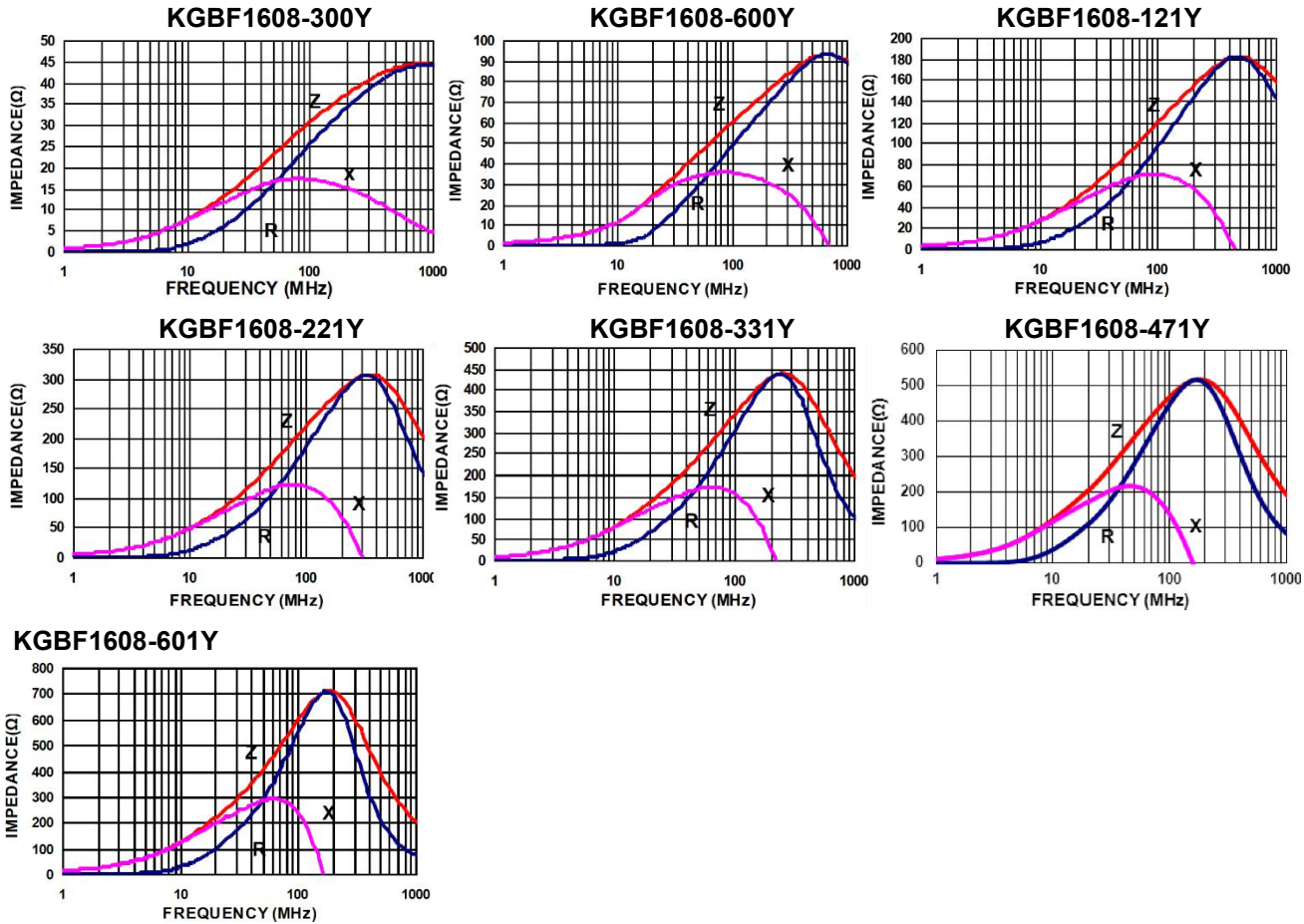


KGBF1005-102Y

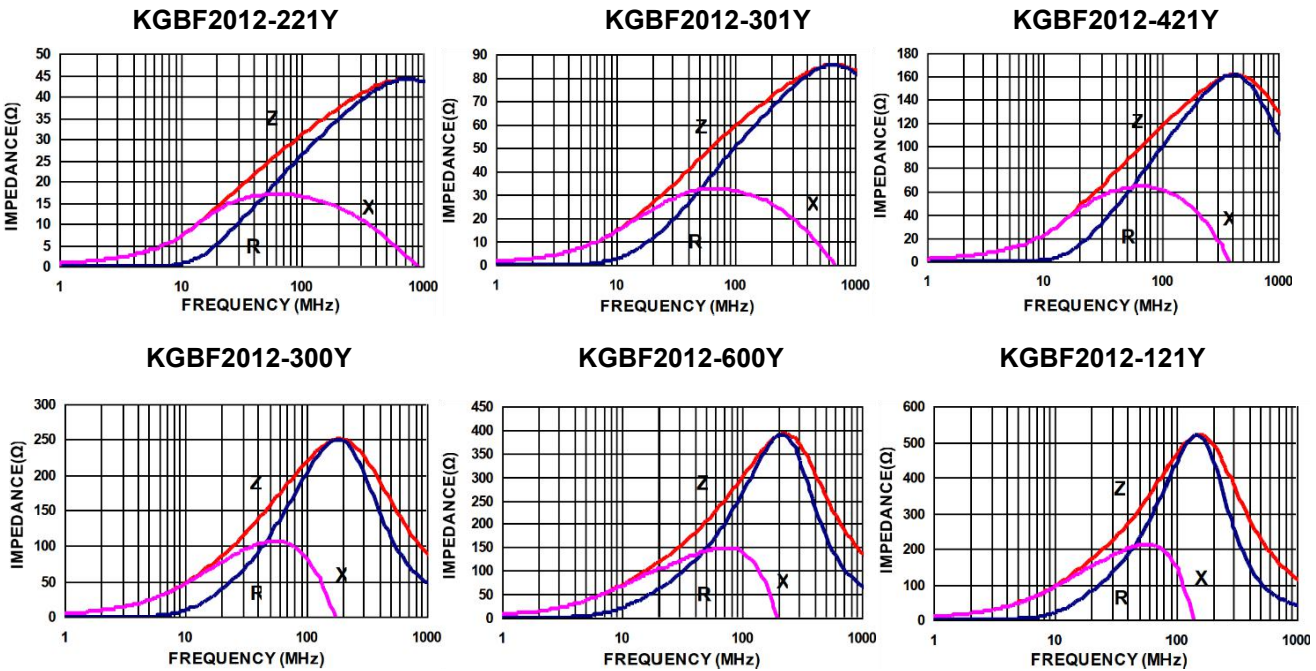


Multilayer Chip Ferrite Beads-KBF Series

KGBF1608 Series

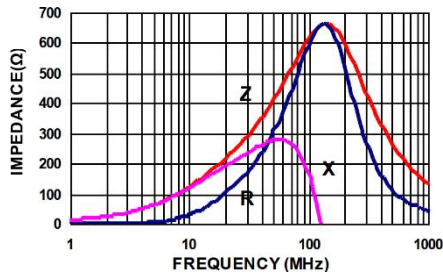


KGBF2012 Series

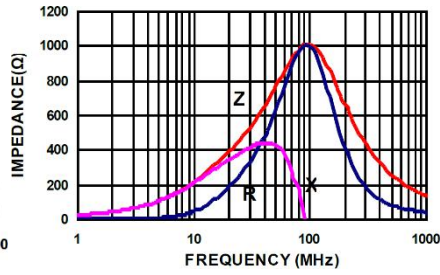


Multilayer Chip Ferrite Beads-KBF Series

KGBF2012-601Y

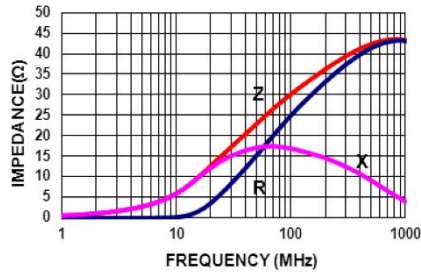


KGBF2012-102Y

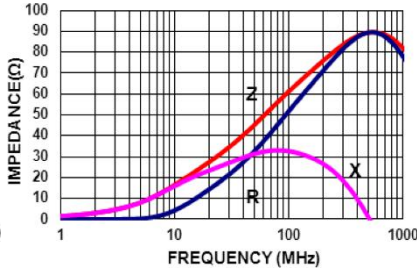


KGBF3216 Series

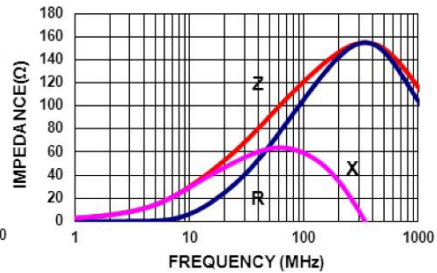
KGBF3216-300Y



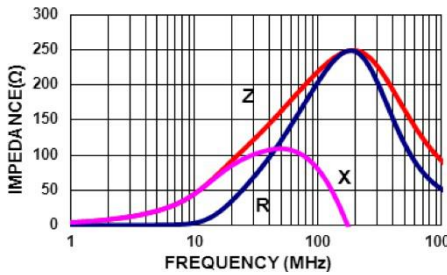
KGBF3216-600Y



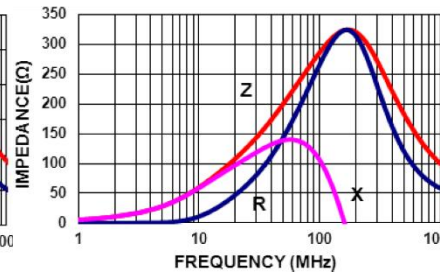
KGBF3216-121Y



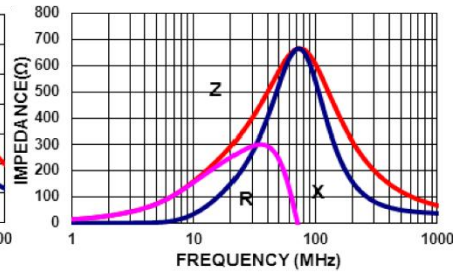
KGBF3216-221



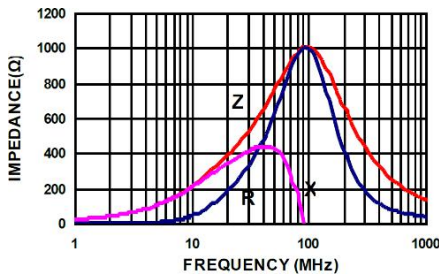
KGBF3216-301Y



KGBF3216-601Y



KGBF3216-102Y



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