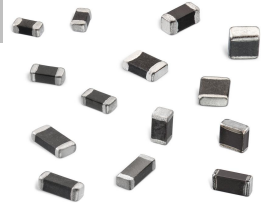


Multilayer Chip Ferrite Beads-KSBF Series

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

KSBF 1005 - 300 Y
① ② ③ ④

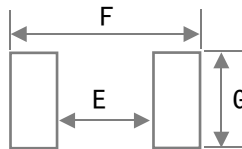
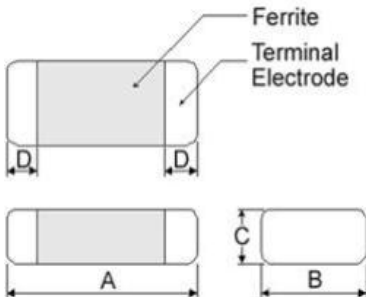
①	Type
KSBF	High Speed Ferrite Bead

②	E*ternal Dimensions (L*W*H) [mm]
KSBF1005	1.0*0.5*0.5
KSBF1608	1.6*0.8*0.8
KSBF2012	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-KSBF Series**SPECIFICATIONS****KSBF1005 Series**

Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KSBF1005-100Y	10	25	100	0.10	0.30
KSBF1005-330Y	33	25	100	0.40	0.30
KSBF1005-750Y	75	25	100	0.30	0.40
KSBF1005-121Y	120	25	100	0.40	0.35
KSBF1005-221Y	220	25	100	0.70	0.20
KSBF1005-301Y	300	25	100	0.80	0.20
KSBF1005-421Y	420	25	100	1.10	0.15
KSBF1005-601Y	600	25	100	1.20	0.10

KSBF1608 Series

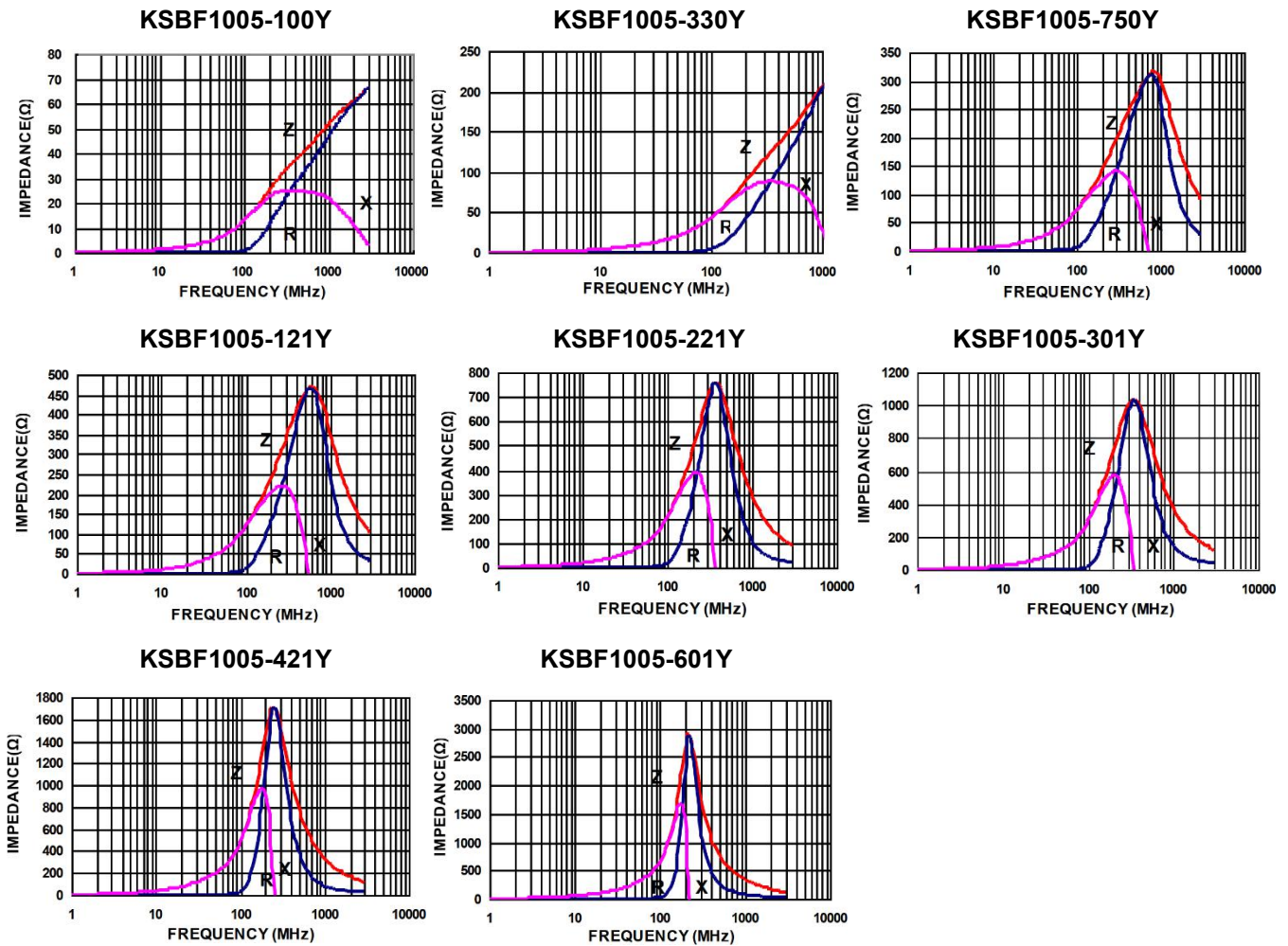
Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KSBF1608-600Y	60	25	100	0.30	0.6
KSBF1608-750Y	75	25	100	0.70	0.3
KSBF1608-121Y	120	25	100	0.45	0.6
KSBF1608-221Y	220	25	100	0.45	0.5
KSBF1608-331Y	330	25	100	0.50	0.5
KSBF1608-601Y	600	25	100	0.60	0.2
KSBF1608-102Y	1000	25	100	0.80	0.2

KSBF2012 Series

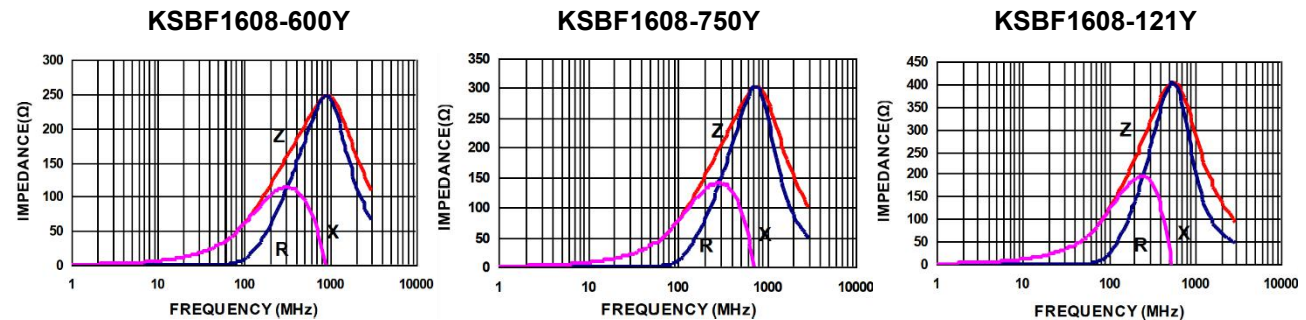
Part Number	Impedance (Ω)	Tolerance ($\pm\%$)	Test Freq. (MHz)	DCR Max (Ω)	Current Max (A)
KSBF2012-600Y	60	25	100	0.20	0.8
KSBF2012-121Y	120	25	100	0.20	0.6
KSBF2012-221Y	220	25	100	0.25	0.6
KSBF2012-301Y	300	25	100	0.30	0.6
KSBF2012-601Y	600	25	100	0.35	0.5
KSBF2012-102Y	1000	25	100	0.40	0.5
KSBF2012-152Y	1500	25	100	0.45	0.2

TYPICAL ELECTRICAL CHARACTERISTICS

KSBF1005 Series

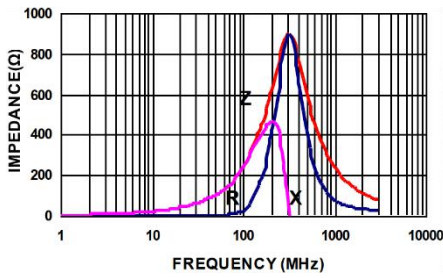


KSBF1608 Series

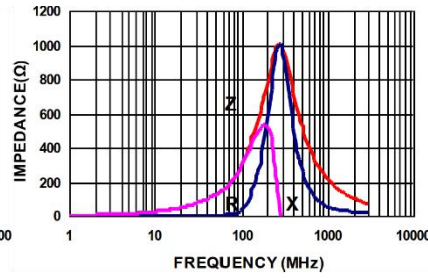


Multilayer Chip Ferrite Beads-KSBF Series

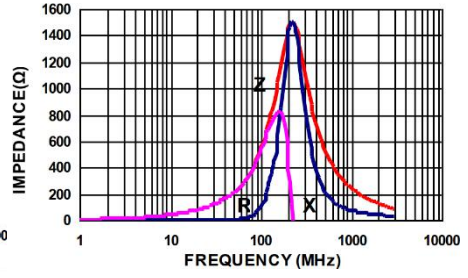
KSBF1608-221Y



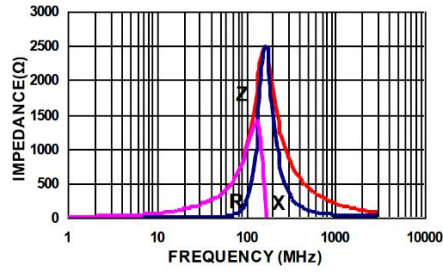
KSBF1608-331Y



KSBF1608-601Y

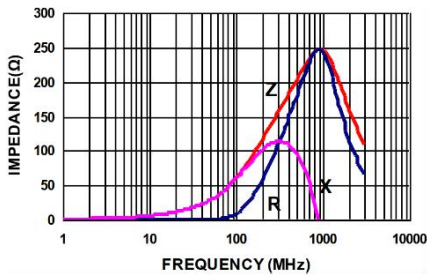


KSBF1608-102Y

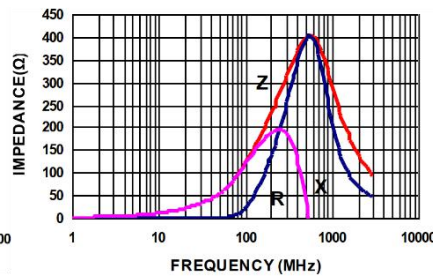


KSBF2012 Series

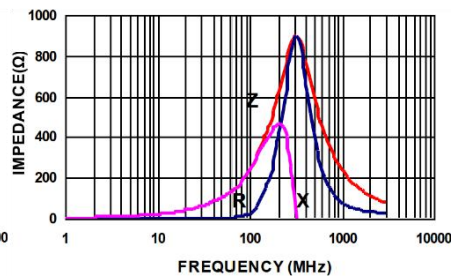
KSBF2012-600Y



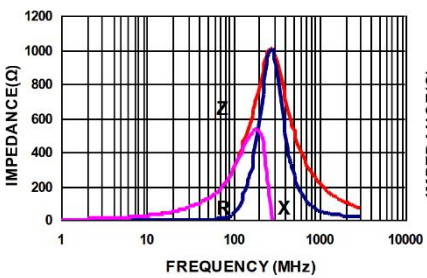
KSBF2012-121Y



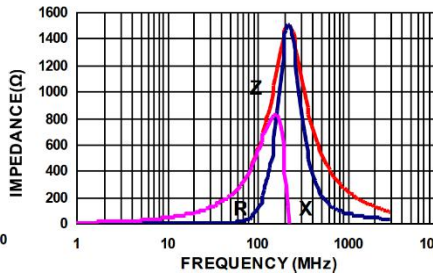
KSBF2012-221Y



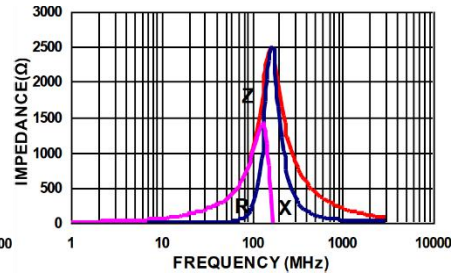
KSBF2012-301Y



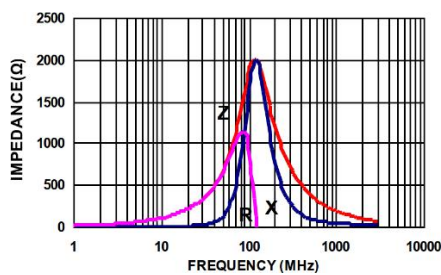
KSBF2012-601Y



KSBF2012-102Y



KSBF2012-152Y



Notes:

1 Rate Current: Applied the current to chipbead, the temperature rise shall not be more than 30℃.

2 Measure Equipment: Z: HP4291A RDC: HP4338B or CHEN HWA502

