

SMD Shielded Power Inductors -WBFH Series



WBFH Series



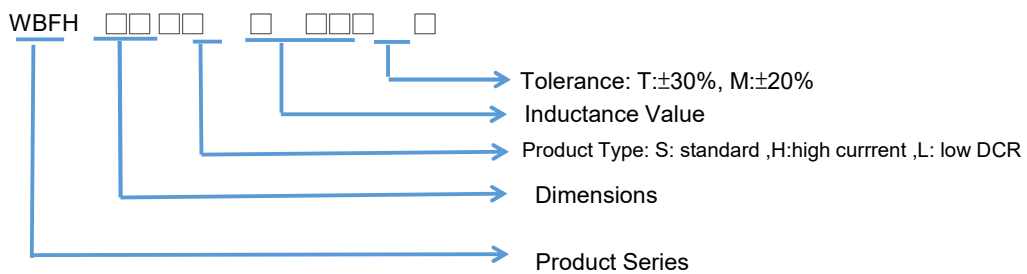
Description:

- RoHS, Halogen Free and REACH Compliance
- Magnetic shielded
- Good Q factor, good energy storage and low resistance

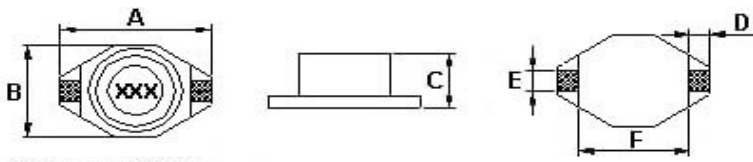
Applications:

- Flash memory programmers
- Electric motors
- DC/DC converters

Product Identification



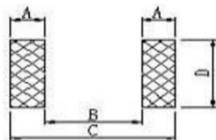
Dimensions-mm



Dimensions-mm

TYPE	A	B	C	D	E	F
WBFH1305S	12.95Max.	9.40Max.	5.08Max	2.54	2.54	7.62

Recommended Pad Layout



Dimensions-mm

TYPE	A	B	C	D
WBFH1305S	2.92	7.37	13.21	2.79

SMD Shielded Power Inductors -WBFH Series

Electrical Characteristics

Part No.	Inductance (uH)	Test Freq. (kHz)	RDC (Ω)Max.	I _{rms} (A)	I _{sat} (A)	SRF (MHz) Typ.	Q Freq. Min. (kHz)
WBFH1305S1R0M	1.0	100kHz,0.1V	0.021	5	5.6	110	3/100
WBFH1305S1R5M	1.5	100kHz,0.1V	0.022	4.5	5.2	90	5/100
WBFH1305S2R2M	2.2	100kHz,0.1V	0.032	3.8	5	60	5/100
WBFH1305S3R3M	3.3	100kHz,0.1V	0.039	3.3	3.9	55	5/100
WBFH1305S4R7M	4.7	100kHz,0.1V	0.054	3.3	3.2	30	10/100
WBFH1305S6R8M	6.8	100kHz,0.1V	0.075	2.2	2.8	30	10/100
WBFH1305S100M	10	100kHz,0.1V	0.101	2	2.4	28	10/100
WBFH1305S150M	15	100kHz,0.1V	0.15	1.5	2	20	15/100
WBFH1305S220M	22	100kHz,0.1V	0.207	1.3	1.6	15	20/100
WBFH1305S330M	33	100kHz,0.1V	0.334	1.1	1.4	12	20/100
WBFH1305S470M	47	100kHz,0.1V	0.472	0.8	1	10	20/100
WBFH1305S680M	68	100kHz,0.1V	0.66	0.7	0.9	10	20/100
WBFH1305S101M	100	100kHz,0.1V	1.11	0.6	0.8	7	20/100
WBFH1305S151M	150	100kHz,0.1V	1.55	0.5	0.6	6	20/100
WBFH1305S221M	220	100kHz,0.1V	2	0.37	0.5	5	20/100
WBFH1305S102M	1000	100kHz,0.1V	8.3	0.17	0.32	2	20/100

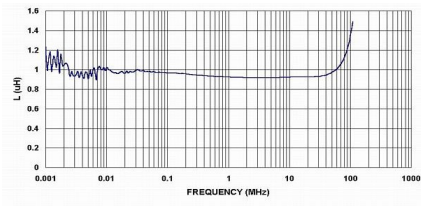
Notes:

- 1.tolerance K=±10% / M=±20%/ T=±30%
- 2.All test data is referenced to 25°C ambient.
- 3.Operating temperature range -40°C ~ +125°C (Including self - temperature rise)
- 4.I_{sat} for Inductance drop 10% from its value without current
I_{rms} for a 40°C temperature rise from 25°C ambient with current
5. Measure Equipment :
L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)
RDC : Chroma 16502
I_{sat} : HP4284+42841A or WK3260B+WK3265B
- 6.Test Condition:
Temperature:26±3°C
Humidity:<70% RH

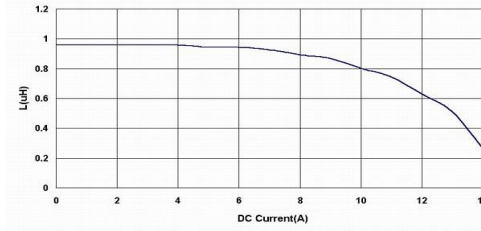
SMD Shielded Power Inductors -WBFH Series

Curve:

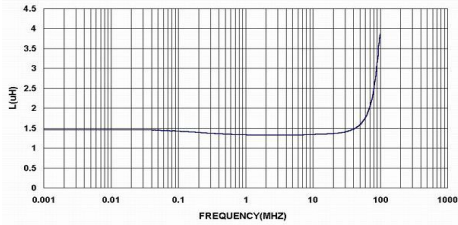
WBFH1305S1R0M



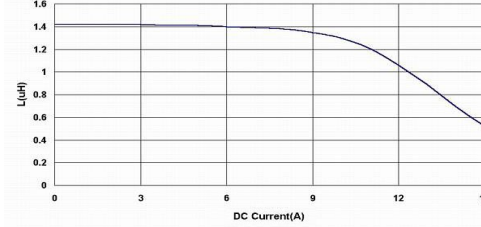
WBFH1305S1R0M



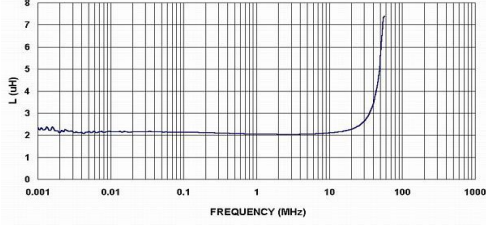
WBFH1305S1R5M



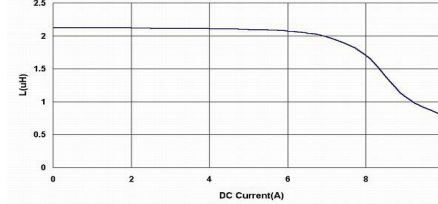
WBFH1305S1R5M



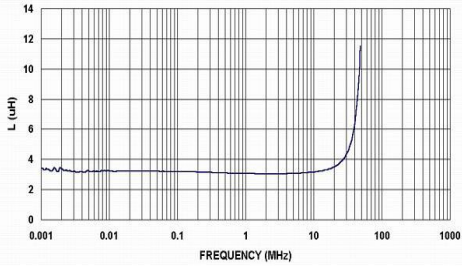
WBFH1305S2R2M



WBFH1305S2R2M



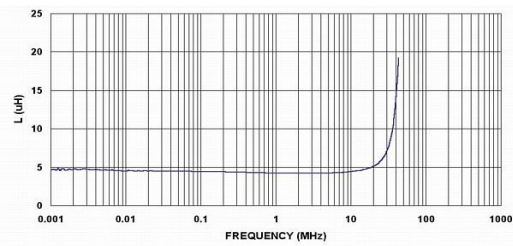
WBFH1305S3R3M



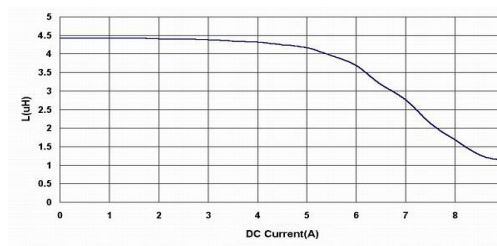
WBFH1305S3R3M



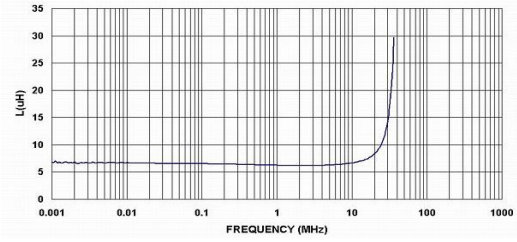
WBFH1305S4R7M



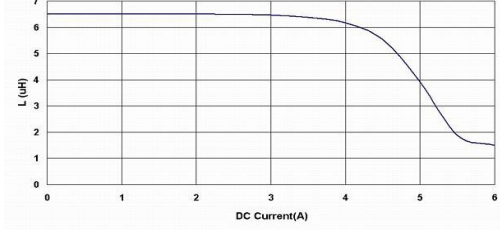
WBFH1305S4R7M



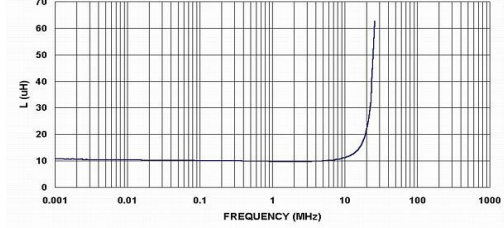
WBFH1305S6R8M



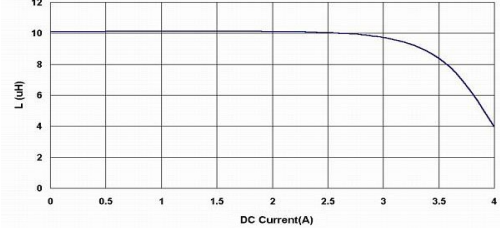
WBFH1305S6R8M



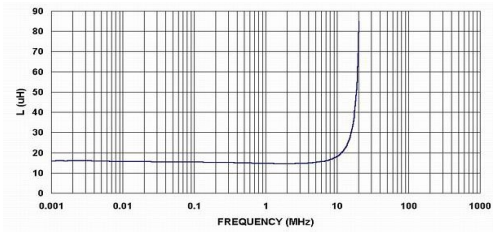
WBFH1305S100M



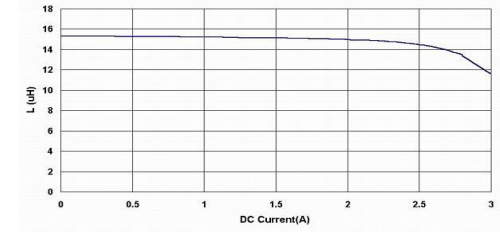
WBFH1305S100M



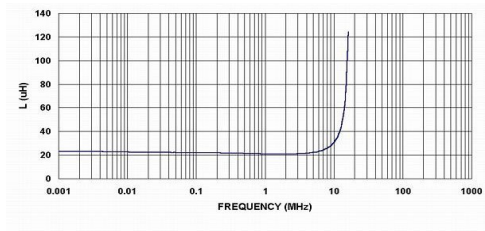
WBFH1305S150M



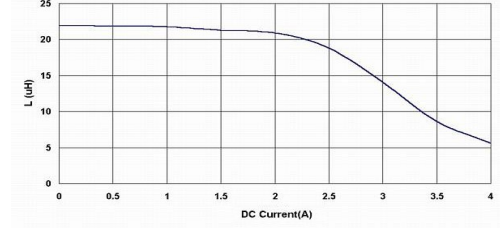
WBFH1305S150M



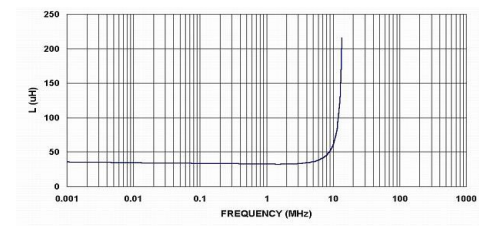
WBFH1305S220M



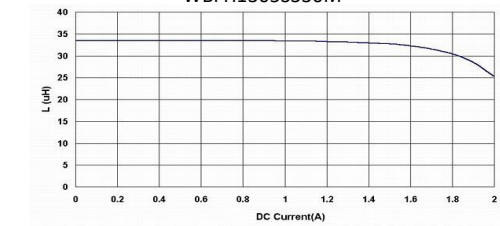
WBFH1305S220M



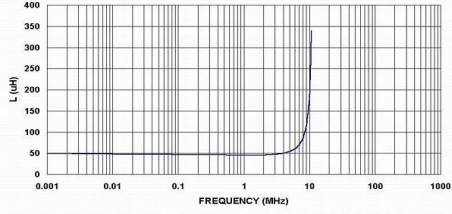
WBFH1305S330M



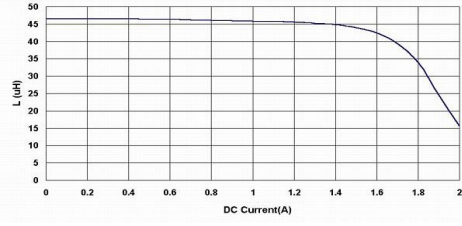
WBFH1305S330M



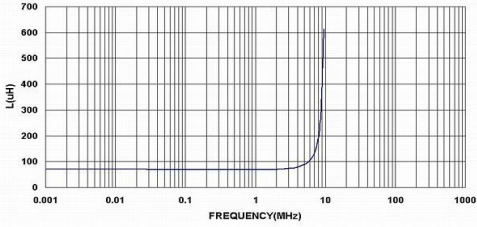
WBFH1305S470M



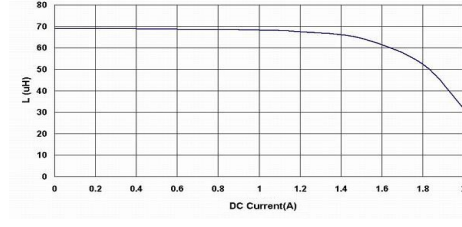
WBFH1305S470M



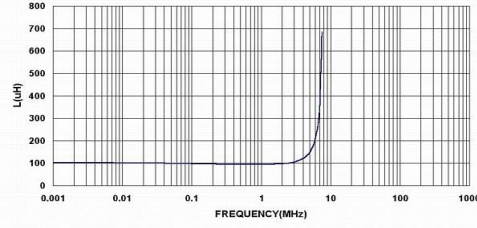
WBFH1305S680M



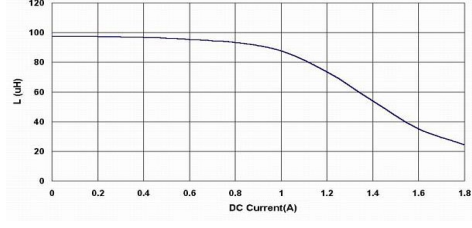
WBFH1305S680M



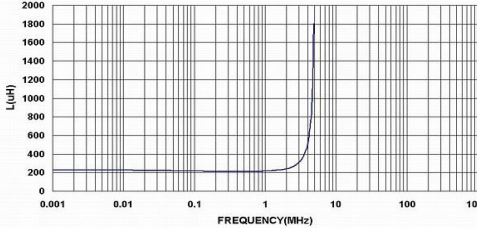
WBFH1305S101M



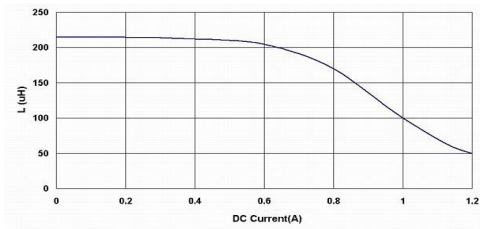
WBFH1305S101M



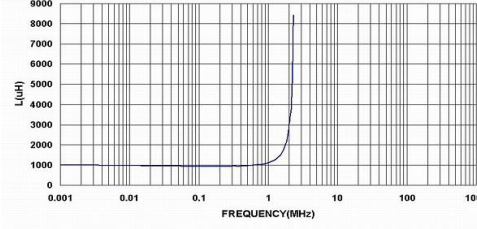
WBFH1305S221M



WBFH1305S221M



WBFH1305S102M



WBFH1305S102M

