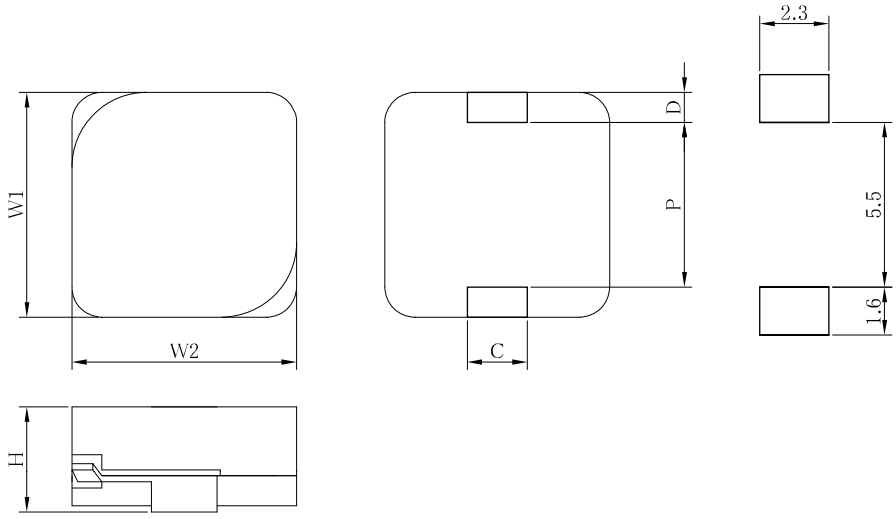
SHP 0735P-F Series

Shield Type Ni-Zn Ferrite Choke Coils

Dimensions



UNIT:mm

W1	W2	H	C	D	P1
7. 5±0. 5	7. 5±0. 5	3. 5max	2. 0±0. 2	1. 0±0. 3	5. 5

Features

- **Using high-Bm Ni-Zn ferrite core**
- **Contribute to miniaturization of electronic equipment**
- **Minimum leakage flux thanks to shield structure**
- **Lead free product**
- **Responding to the RoHS Directive**

Ordering

SHP 0735 P－F100 A

- A: Material
- F100: Inductance 100:10μH
- P: Type
- 0735: Size 07:◇7.0 mm 35:height 3.5mm
- SHP: Series

Specification

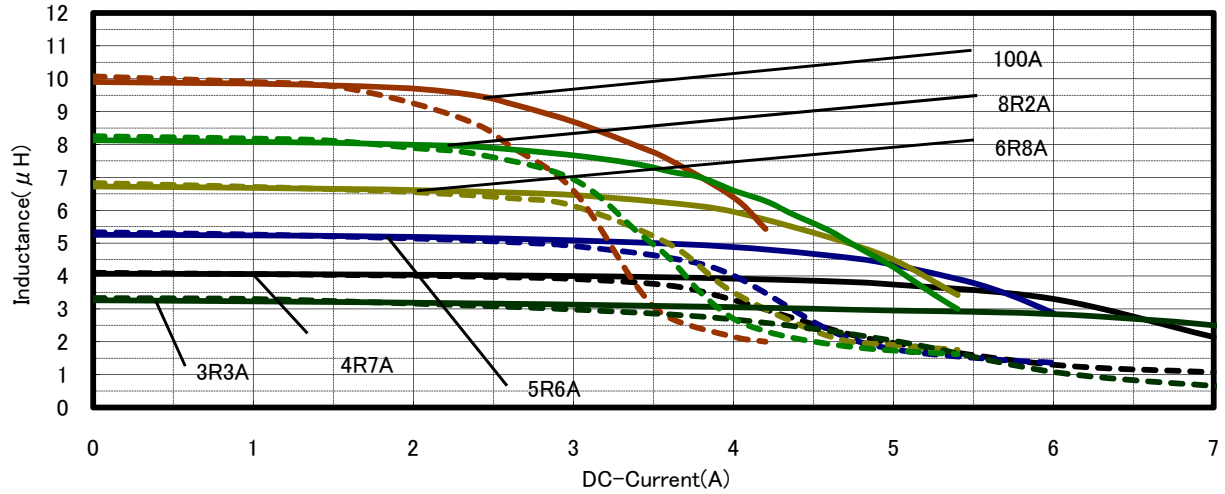
Part No.	stamp	Inductance (μH)	Tolerance	Max. DCR (mΩ)	DC Superimposition current *1 (A)	Temperature rise current *2 (A)
SHP0735P-F3R3A	3R3	3.3	±30%	32.4	6.7	4.7
SHP0735P-F4R7A	4R7	4.7	±30%	46.8	6.0	3.5
SHP0735P-F5R6A	5R6	5.6	±30%	55.2	5.1	3.3
SHP0735P-F6R8A	6R8	6.8	±30%	69.6	4.4	3.2
SHP0735P-F8R2A	8R2	8.2	±30%	85.2	4.1	2.7
SHP0735P-F100A	100	10.0	±20%	100.8	3.8	2.6
SHP0735P-F120A	120	12.0	±20%	109.2	3.6	2.2
SHP0735P-F150A	150	15.0	±20%	120.0	3.3	2.1
SHP0735P-F180A	180	18.0	±20%	144.0	2.8	1.9
SHP0735P-F220A	220	22.0	±20%	183.6	2.4	1.7
SHP0735P-F330A	330	33.0	±20%	232.8	2.2	1.6
SHP0735P-F470A	470	47.0	±20%	319.2	1.8	1.1
SHP0735P-F560A	560	56.0	±20%	469.2	1.6	1.0
SHP0735P-F680A	680	68.0	±20%	520.8	1.4	0.9
SHP0735P-F820A	820	82.0	±20%	708.0	1.3	0.8
SHP0735P-F101A	101	100.0	±20%	938.4	1.1	0.7
SHP0735P-F121A	121	120.0	±20%	1166.4	1.1	0.6
SHP0735P-F151A	151	150.0	±20%	1677.6	0.9	0.5
SHP0735P-F181A	181	180.0	±20%	1906.8	0.9	0.5
SHP0735P-F221A	221	220.0	±20%	2115.6	0.8	0.45
SHP0735P-F331A	331	330.0	±20%	4347.6	0.7	0.4
SHP0735P-F471A	471	470.0	±20%	5161.2	0.6	0.3

*1 : DC_current based upon 30% inductance reduction from the initial value.
*2 : DC_current based upon 35℃ temperature rise.
*3 : Coil operation temperature is –25℃～120℃ (includes temperature when the coil is heated)

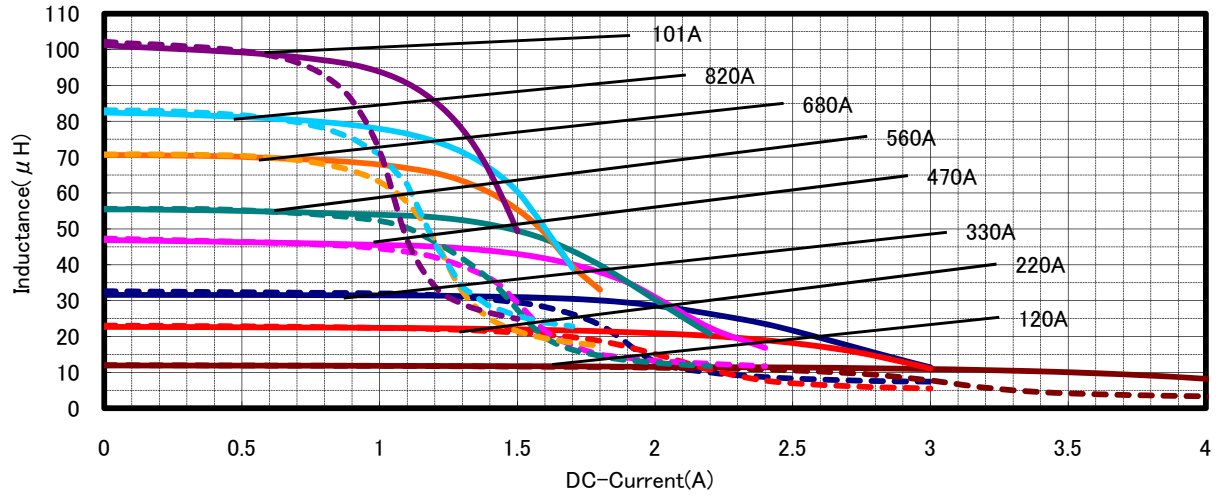
DC Superimposition Characteristics

Test Freq. =100kHz

SHP0735P(3.3 μ ～10 μ H)



SHP0735P(12 μ ～33 μ H)



SHP1260P(120 μ ～470 μ H)