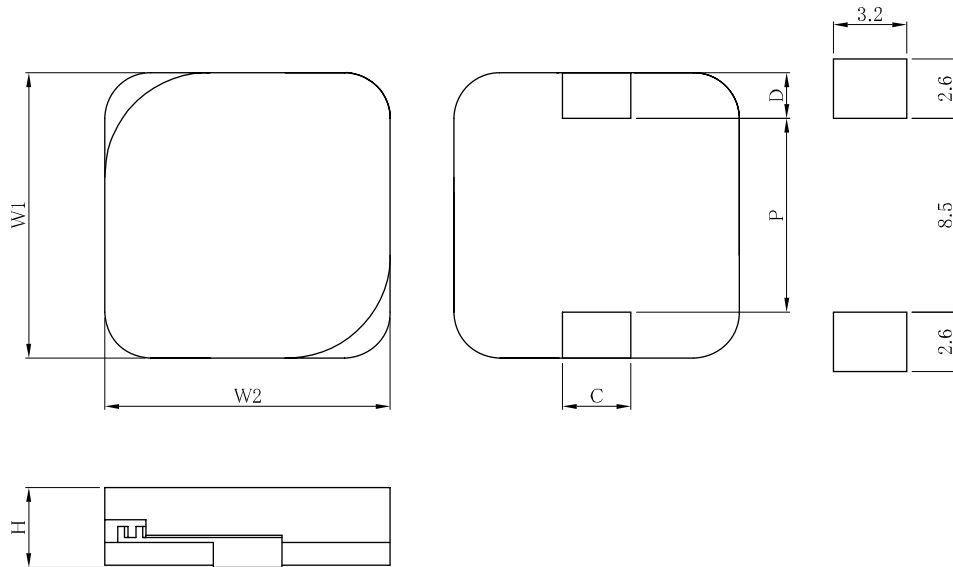


SHP 1235P-F Series

Shield Type Ni-Zn Ferrite Choke Coils

Dimensions



UNIT: mm

W1	W2	H	C	D	P1
12.5±0.3	12.5±0.3	3.5max	3.0±0.2	2.0±0.3	8.5

Features

- Using high-B_m 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	1235	P	-F100	A	
					Material
					Inductance 100: 10μH
					Type
					Size 12: ◇12.0 mm 35: height 3.5mm
					Series

Specification

Part No.	stamp	Inductance (μH)	Tolerance	Max. DCR (mΩ)	DC Superimposition current *1 (A)	Temperature rise current *2 (A)
SHP1235P-F3R3A	3R3	3.3	±30%	25.2	9.6	6.0
SHP1235P-F4R7A	4R7	4.7	±30%	32.4	8.5	5.4
SHP1235P-F5R6A	5R6	5.6	±30%	42.0	7.7	4.5
SHP1235P-F6R8A	6R8	6.8	±30%	44.4	6.7	4.3
SHP1235P-F8R2A	8R2	8.2	±30%	62.4	6.2	3.6
SHP1235P-F100A	100	10.0	±20%	69.6	6.0	3.5
SHP1235P-F120A	120	12.0	±20%	75.6	5.9	3.2
SHP1235P-F150A	150	15.0	±20%	85.2	5.4	3.1
SHP1235P-F180A	180	18.0	±20%	91.2	4.8	2.2
SHP1235P-F220A	220	22.0	±20%	98.4	4.3	2.1
SHP1235P-F330A	330	33.0	±20%	159.6	3.3	1.8
SHP1235P-F470A	470	47.0	±20%	217.2	2.8	1.7
SHP1235P-F560A	560	56.0	±20%	234.0	2.7	1.6
SHP1235P-F680A	680	68.0	±20%	330.0	2.3	1.5
SHP1235P-F820A	820	82.0	±20%	452.4	1.9	1.4
SHP1235P-F101A	101	100.0	±20%	508.8	1.8	1.2
SHP1235P-F121A	121	120.0	±20%	585.6	1.7	1.1
SHP1235P-F151A	151	150.0	±20%	1017.6	1.6	1.0
SHP1235P-F181A	181	180.0	±20%	1032.0	1.3	0.9
SHP1235P-F221A	221	220.0	±20%	1045.2	1.1	0.8
SHP1235P-F331A	331	330.0	±20%	1591.2	0.9	0.7
SHP1235P-F471A	471	470.0	±20%	2280.0	0.8	0.6

*1 : DC_current based upon 30% inductance reduction from the initial value.

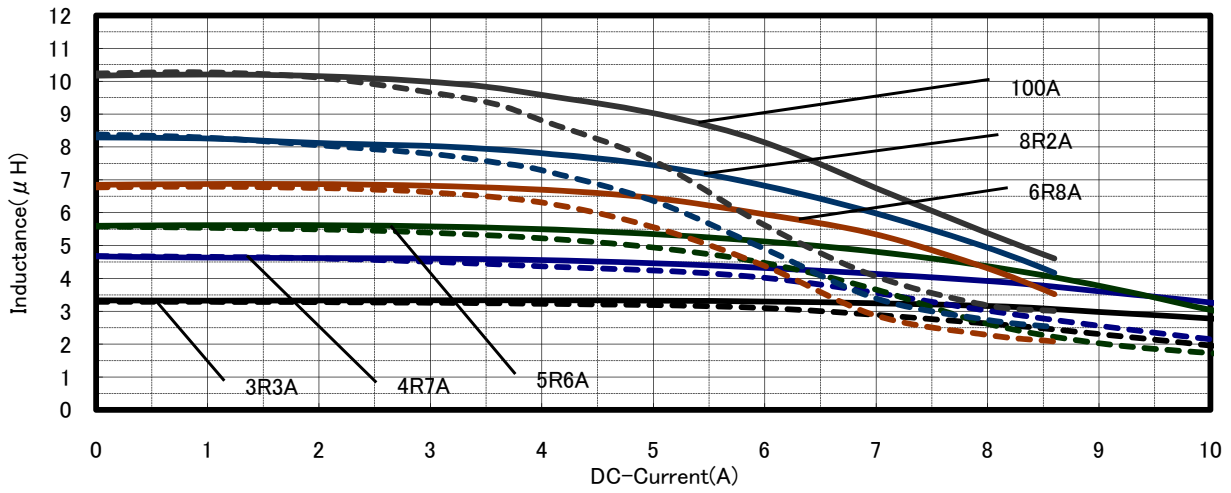
*2 : DC_current based upon 35°C temperature rise.

*3 : Coil operation temperature is -25°C ~ 120°C (includes temperature when the coil is heated)

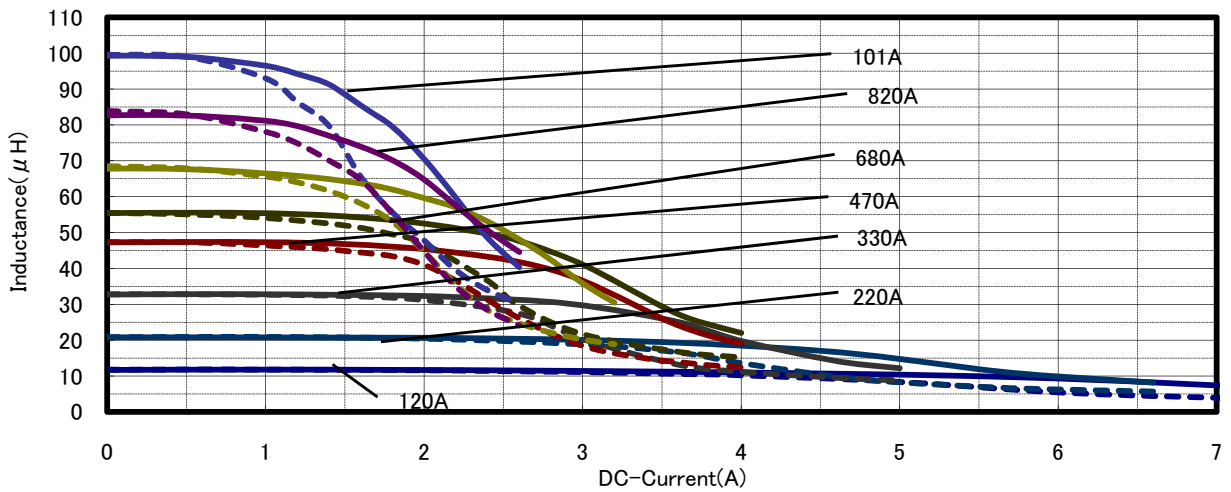
DC Superimposition Characteristics

Test Freq. =100kHz

SHP1235P(3.3 μ ~ 10 μ H)



SHP1235P(12 μ ~ 100 μ H)



SHP1235P(120 μ ~ 470 μ H)

