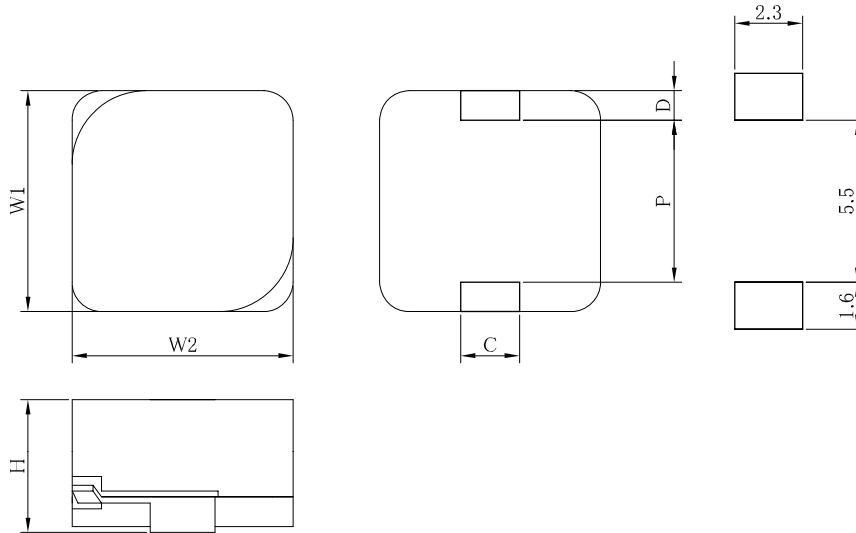


# SHP 0745P-F Series

Shield Type Ni-Zn Ferrite Choke Coils

## Dimensions



UNIT:mm

W1	W2	H	C	D	P1
7.5±0.5	7.5±0.5	4.5max	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

<b>SHP</b>	<b>0745</b>	<b>P</b>	<b>-F100</b>	<b>A</b>	
					Material
					Inductance 100:10μH
					Type
					Size 07:◇7.0 mm 45:height 4.5mm
					Series

Specification

Part No.	stamp	Inductance (μH)	Tolerance	Max. DCR (mΩ)	DC Superimposition current *1 (A)	Temperature rise current *2 (A)
SHP0745P-F3R3A	3R3	3.3	±30%	26.4	5.9	4.8
SHP0745P-F4R7A	4R7	4.7	±30%	37.2	5.0	4.0
SHP0745P-F5R6A	5R6	5.6	±30%	42.0	4.9	3.8
SHP0745P-F6R8A	6R8	6.8	±30%	45.6	4.4	3.6
SHP0745P-F8R2A	8R2	8.2	±30%	60.0	3.8	2.8
SHP0745P-F100A	100	10.0	±20%	68.4	3.3	2.6
SHP0745P-F120A	120	12.0	±20%	80.4	3.2	2.4
SHP0745P-F150A	150	15.0	±20%	120.0	2.8	2.2
SHP0745P-F180A	180	18.0	±20%	135.6	2.6	2.1
SHP0745P-F220A	220	22.0	±20%	152.4	2.3	1.9
SHP0745P-F330A	330	33.0	±20%	238.8	1.9	1.7
SHP0745P-F470A	470	47.0	±20%	303.6	1.6	1.5
SHP0745P-F560A	560	56.0	±20%	345.6	1.4	1.4
SHP0745P-F680A	680	68.0	±20%	524.4	1.3	1.3
SHP0745P-F820A	820	82.0	±20%	579.6	1.2	1.1
SHP0745P-F101A	101	100.0	±20%	717.6	1.1	1.0
SHP0745P-F121A	121	120.0	±20%	772.8	1.0	0.9
SHP0745P-F151A	151	150.0	±20%	980.4	0.9	0.8
SHP0745P-F181A	181	180.0	±20%	1076.4	0.8	0.7
SHP0745P-F221A	221	220.0	±20%	1324.8	0.7	0.6
SHP0745P-F331A	331	330.0	±20%	2511.6	0.6	0.5
SHP0745P-F471A	471	470.0	±20%	3091.2	0.5	0.4

\*1 : DC\_current based upon 30% inductance reduction from the initial value.

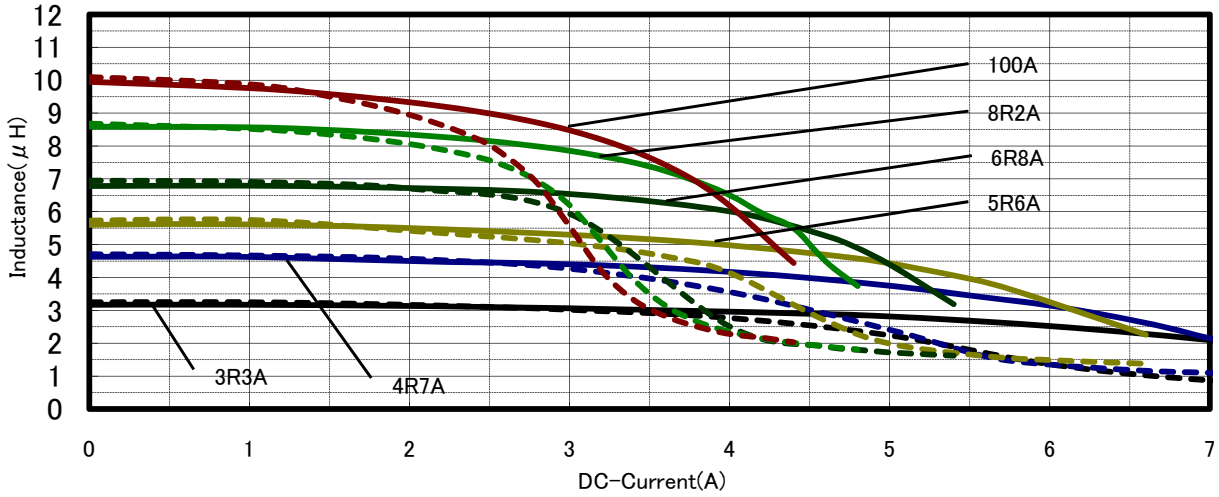
\*2 : DC\_current based upon 35°C temperature rise.

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

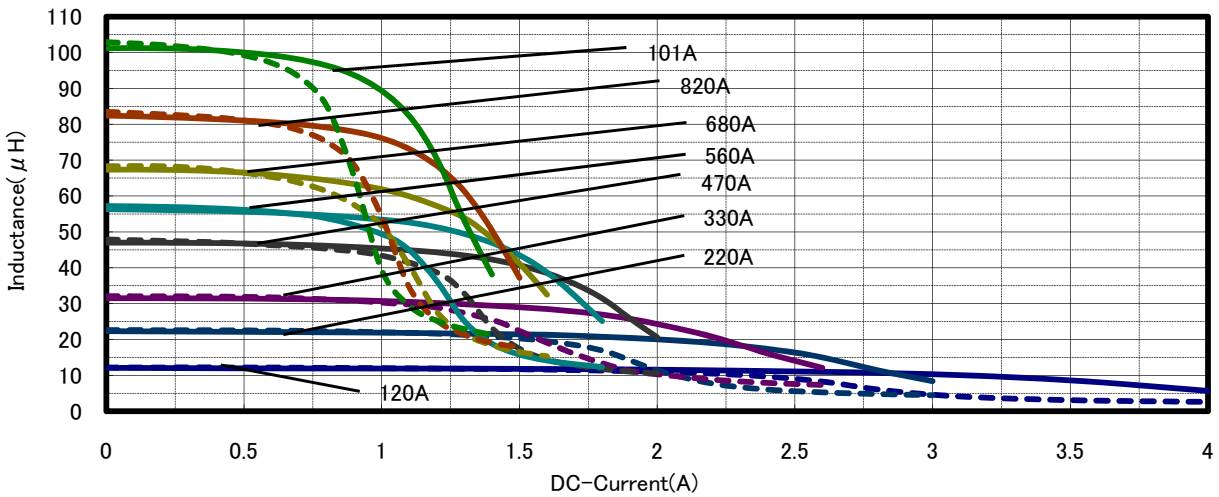
DC Superimposition Characteristics

Test Freq. =100kHz

SHP0745P(3.3  $\mu$  ~ 10  $\mu$  H)



SHP0745P(12  $\mu$  ~ 100  $\mu$  H)



SHP0745P(120  $\mu$  ~ 470  $\mu$  H)

