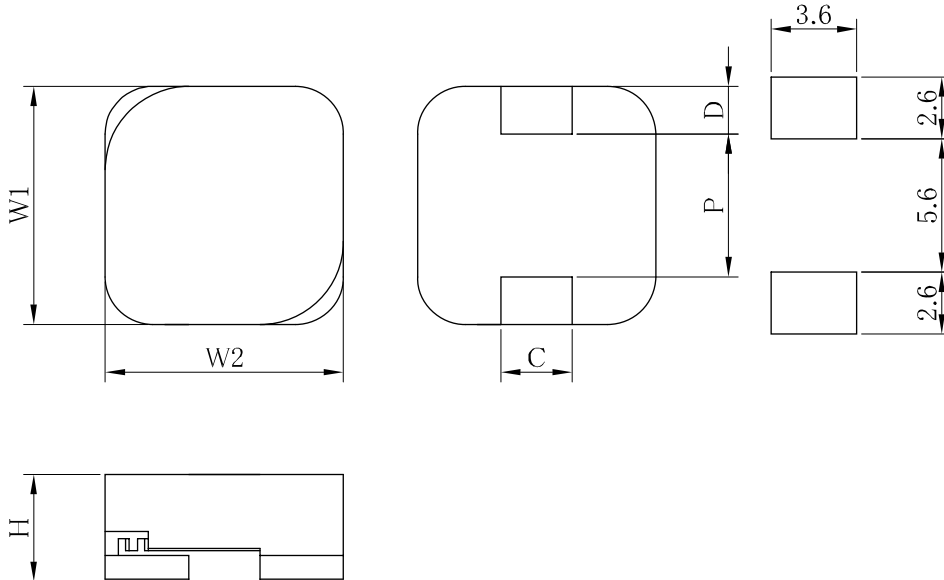


# SHP 1045P-F Series

Shield Type Ni-Zn Ferrite Choke Coils

## Dimensions



UNIT: mm

W1	W2	H	C	D	P1
10.1±0.3	10.1±0.3	4.5max	3.0±0.2	2.0±0.3	6.1

## Features

- Using high-B<sub>m</sub> 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>1045</b>	<b>P</b>	<b>-F100</b>	<b>A</b>	
				Material	
				Inductance 100:10μH	
				Type	
		Size 10:◇10.0 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)
SHP1045P-F3R3A	3R3	3.3	±30%	20.4	8.5	6.1
SHP1045P-F4R7A	4R7	4.7	±30%	26.4	6.3	5.5
SHP1045P-F5R6A	5R6	5.6	±30%	28.8	5.9	5.1
SHP1045P-F6R8A	6R8	6.8	±30%	32.4	5.6	4.7
SHP1045P-F8R2A	8R2	8.2	±30%	38.4	5.2	4.0
SHP1045P-F100A	100	10.0	±20%	50.4	4.9	3.6
SHP1045P-F120A	120	12.0	±20%	51.6	4.7	3.4
SHP1045P-F150A	150	15.0	±20%	78.0	4.1	3.2
SHP1045P-F180A	180	18.0	±20%	79.2	3.4	3.0
SHP1045P-F220A	220	22.0	±20%	106.8	3.3	2.9
SHP1045P-F330A	330	33.0	±20%	190.8	2.7	2.2
SHP1045P-F470A	470	47.0	±20%	235.2	2.4	1.9
SHP1045P-F560A	560	56.0	±20%	258.0	2.2	1.5
SHP1045P-F680A	680	68.0	±20%	290.4	1.0	1.4
SHP1045P-F820A	820	82.0	±20%	318.0	1.8	1.3
SHP1045P-F101A	101	100.0	±20%	496.8	1.5	1.2
SHP1045P-F121A	121	120.0	±20%	566.4	1.4	1.0
SHP1045P-F151A	151	150.0	±20%	690.0	1.3	0.9
SHP1045P-F181A	181	180.0	±20%	759.6	1.2	0.8
SHP1045P-F221A	221	220.0	±20%	1048.8	1.0	0.7
SHP1045P-F331A	331	330.0	±20%	1560.0	0.8	0.6
SHP1045P-F471A	471	470.0	±20%	2059.2	0.7	0.5

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

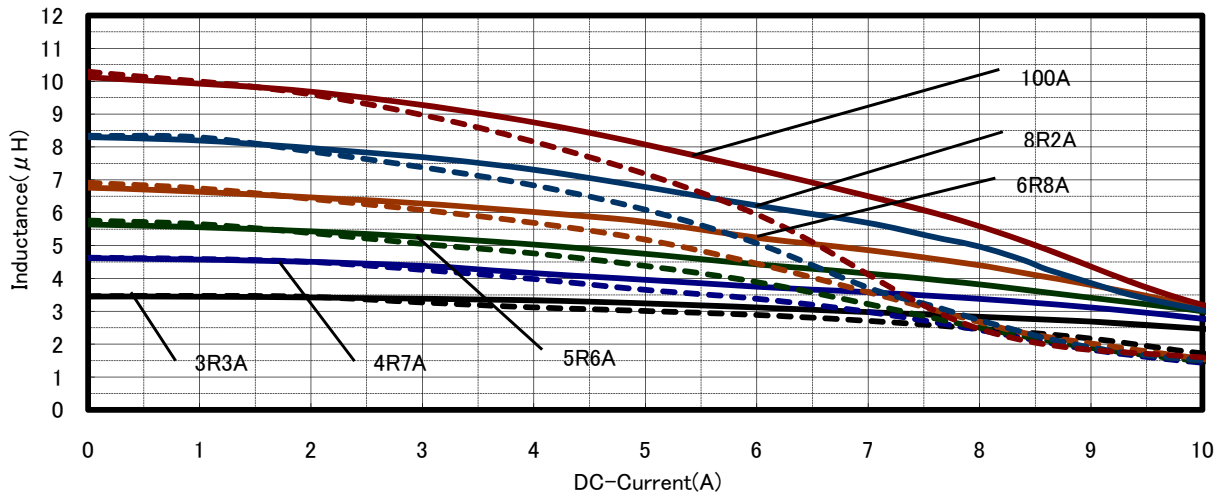
\*2: DC\_current based upon 35°C temperature rise.

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

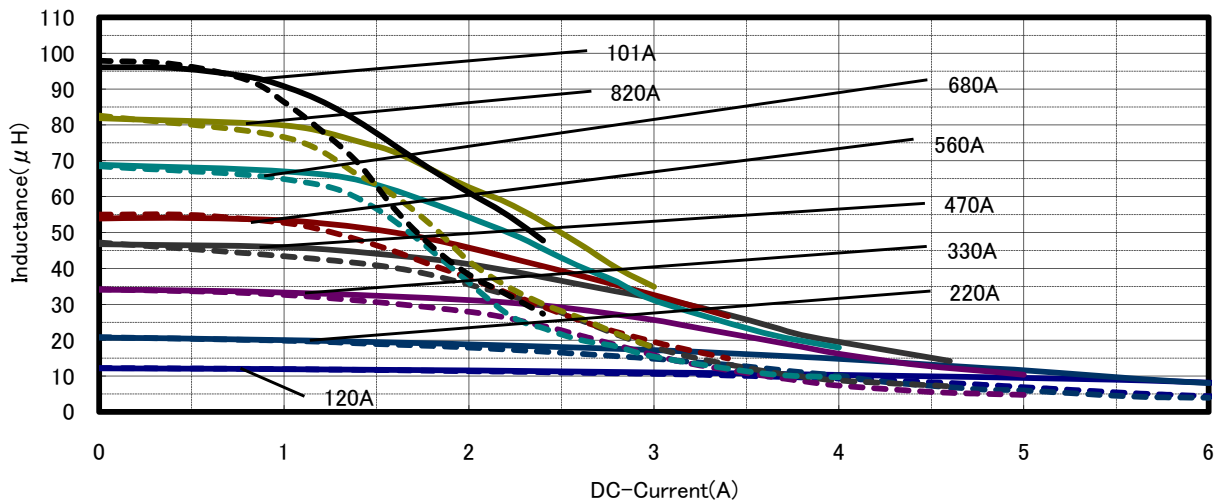
DC Superimposition Characteristics

Test Freq. =100kHz

SHP1045P(3.3  $\mu$  H ~ 10  $\mu$  H)



SHP1045P(12  $\mu$  H ~ 100  $\mu$  H)



SHP1045P(120  $\mu$  H ~ 470  $\mu$  H)

