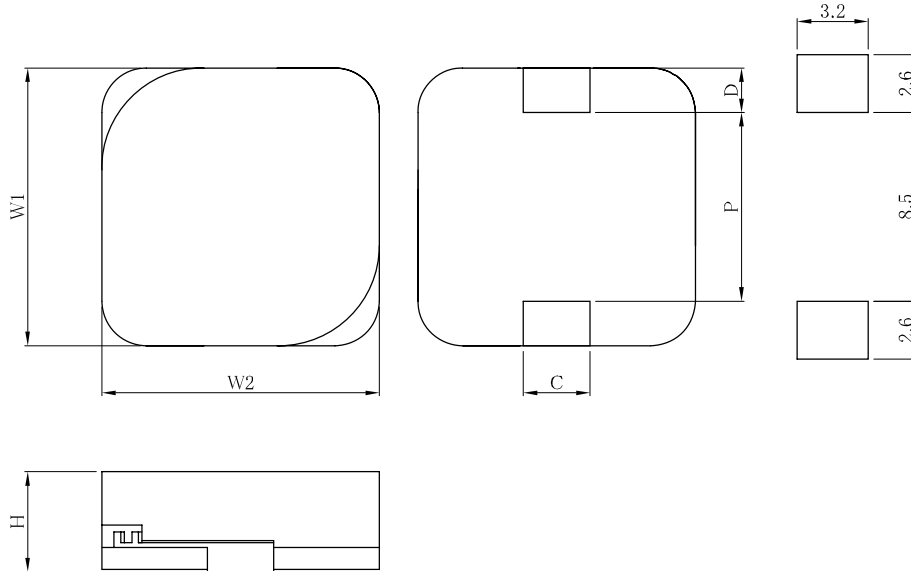


# SHP 1245P-F Series

Shield Type Ni-Zn Ferrite Choke Coils

## Dimensions



UNIT:mm

W1	W2	H	C	D	P1
12.5±0.3	12.5±0.3	4.5max	3.0±0.2	2.0±0.3	8.5

## 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>1245</b>	<b>P</b>	<b>-F100</b>	<b>A</b>	
				Material	
			Inductance 100:10μH		
		Type			
		Size 12:◇12.0 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)
SHP1245P-F3R3A	3R3	3.3	±30%	21.6	9.7	6.7
SHP1245P-F4R7A	4R7	4.7	±30%	24.0	8.7	6.2
SHP1245P-F5R6A	5R6	5.6	±30%	27.6	8.2	6.1
SHP1245P-F6R8A	6R8	6.8	±30%	30.0	7.2	5.3
SHP1245P-F8R2A	8R2	8.2	±30%	32.4	6.9	5.0
SHP1245P-F100A	100	10.0	±20%	44.4	6.3	4.7
SHP1245P-F120A	120	12.0	±20%	48.0	6.0	4.0
SHP1245P-F150A	150	15.0	±20%	51.6	5.5	3.7
SHP1245P-F180A	180	18.0	±20%	60.0	5.1	3.5
SHP1245P-F220A	220	22.0	±20%	75.6	4.4	3.2
SHP1245P-F330A	330	33.0	±20%	92.4	3.4	2.9
SHP1245P-F470A	470	47.0	±20%	146.4	2.9	2.5
SHP1245P-F560A	560	56.0	±20%	163.2	2.8	2.3
SHP1245P-F680A	680	68.0	±20%	217.2	2.6	1.8
SHP1245P-F820A	820	82.0	±20%	253.2	2.5	1.6
SHP1245P-F101A	101	100.0	±20%	303.6	2.0	1.5
SHP1245P-F121A	121	120.0	±20%	400.8	1.9	1.4
SHP1245P-F151A	151	150.0	±20%	483.6	1.6	1.3
SHP1245P-F181A	181	180.0	±20%	538.8	1.3	1.2
SHP1245P-F221A	221	220.0	±20%	745.2	1.2	1.0
SHP1245P-F331A	331	330.0	±20%	993.6	1.1	0.9
SHP1245P-F471A	471	470.0	±20%	1352.4	1.0	0.7

\*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

