

# OWIHP1809FS

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Fe-Si alloy molded



## Description

Fe-Si alloy with painting.  
Hot compression molding  
SMD type  
Replace WE-HCB and WE-HCI series.  
Can pass AEC Q200 reliability test

## Features

Excellent EMC performance  
Large saturation current  
Operating temperature -50°C To 150°C  
Class H flat copper wire winding.  
Resistance to reflow soldering with 260°C  
RoHS & REACH compliance  
Reel packing method for SMT process  
Stability performance and consistency  
Insulation voltage N-C: 400Vac

## Applications

For electrical vehicles  
Photovoltaic products  
Wind energy products  
Energy storage inductors

## Characteristics

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Incl temp rise)	-55°C to +150°C
Storage Temp	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	<b>L drops off 25% typ at Isat</b>
Temperature rise	40°C typ. at Irms

Product ID	Inductance [µH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWIHP1809FS-100M	10.00	7.00	35.00	18.00			75	10,5	<a href="#">Request samples</a>
OWIHP1809FS-150M	15.00	9.00	25.00	16.00			75	8,2	<a href="#">Request samples</a>
OWIHP1809FS-220M	15.00	14.00	20.00	13.00			75	6,6	<a href="#">Request samples</a>

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
19.00	19.00	9.50		4			7	5,75	J	
±0.5	±0.30	±0.20		Ref			Ref	Ref	Ref	



