

# Inductor



**Figure**



Note: The image shown here is indicative only. If there is inconsistency between the image and the actual product, the actual product shall govern.

**Specifications:**

<b><i>SERIES : SKPC-ERFD3.5-XXX</i></b>	
Test Conditions:	<b>25°C 10KHz 1V</b>
Inductance :	<b>3.5μH±5% (No Current)</b>
Dimensions(L*W*H):	<b>90*65*26mm</b>
Pins and Connection	<b>2*Terminals</b>
Hi-Pot(Wire to Core)	<b>1KV/3KV/5KV DC①</b>

<b>Model</b>	<b>Type</b>	<b>DCR Max 20°C</b>	<b>Isat L drops 20% (Max)</b>	<b>Irms Temperature Rise 40°C (Max.) ②</b>	<b>Weight (Max)</b>
SKPC-ERFD3.5-2A(135)	A	0.3mΩ	144A	144A	473g
SKPC-ERFD3.5-3B(135)	B	0.3mΩ	230A	168A	555g
SKPC-ERFD3.5-4B(135)	B	0.6mΩ	323A	126A	555g

Operating temperature: -40°C to +75°C

Note:

1. Classification of different Hi-Pot level : **1-1KVDC/3-3KVDC/5-5KVDC**
2. Since different ways of heat dissipation affect Temperature rise, Temperature rise is reference.

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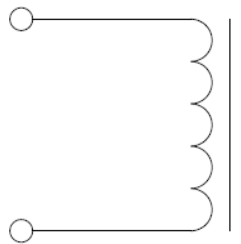


## Material List

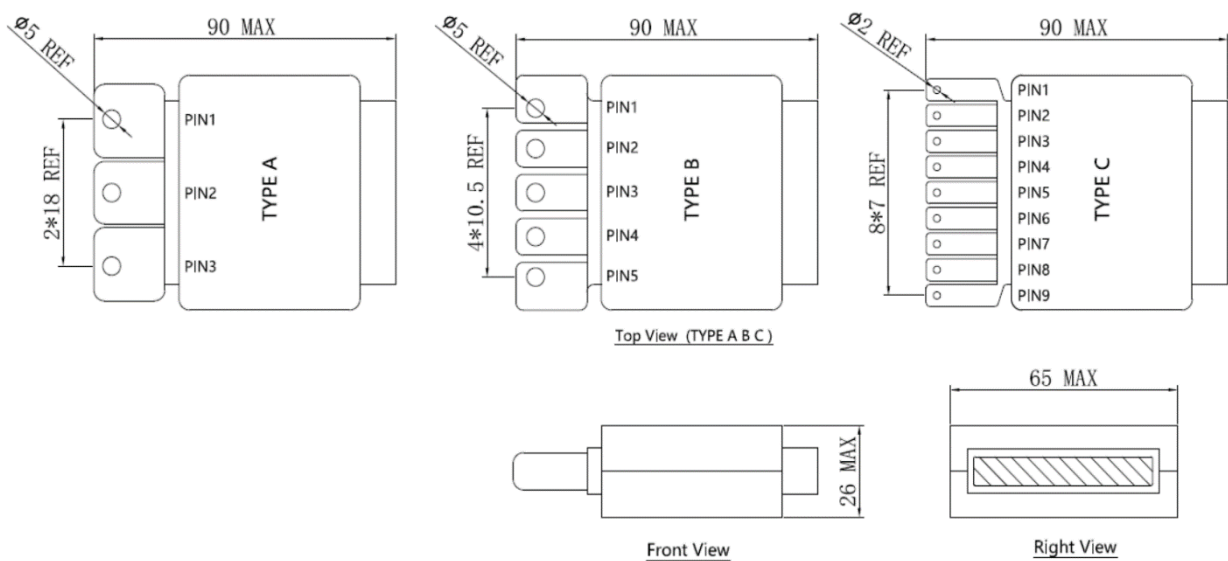
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

Note: Temperature tolerance grade: **H CLASS**

## Schematic Diagram



## Configurations and Dimensions (mm)

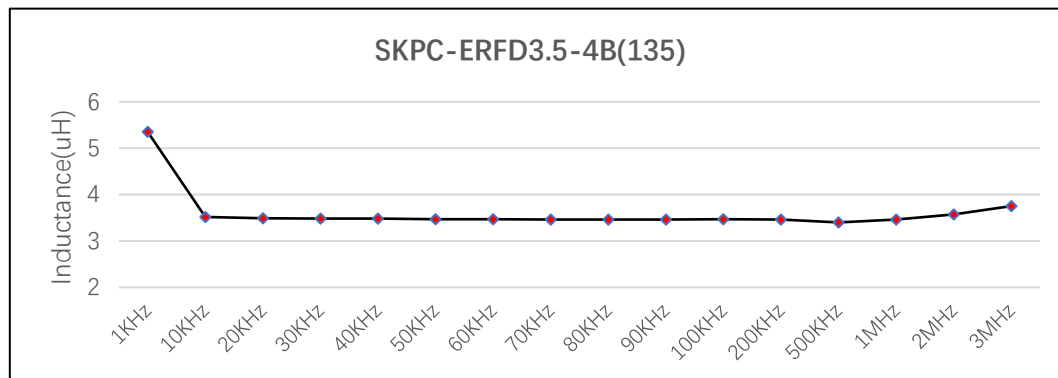
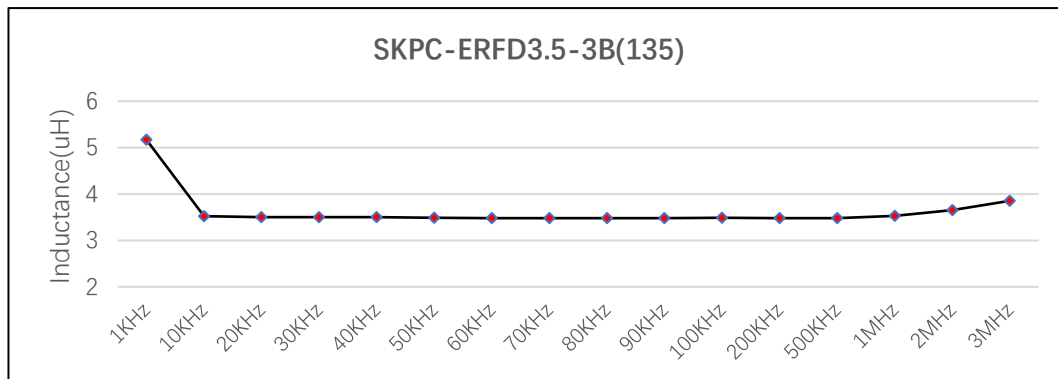
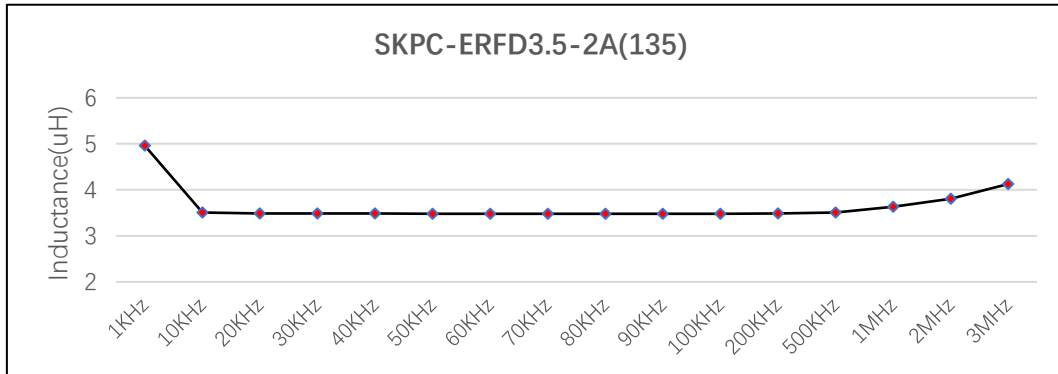


Model.	Type	Description of pins
SKPC-ERFD3.5-2A(135)	A	PIN1+PIN3
SKPC-ERFD3.5-3B(135)	B	PIN1+PIN4
SKPC-ERFD3.5-4B(135)	B	PIN1+PIN5

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## L(uH) vs Frequency(KHz)

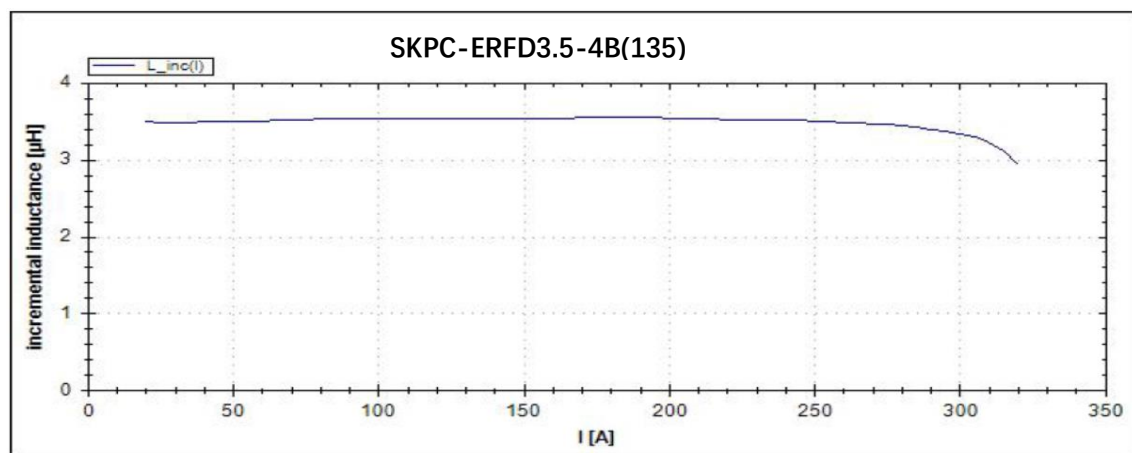
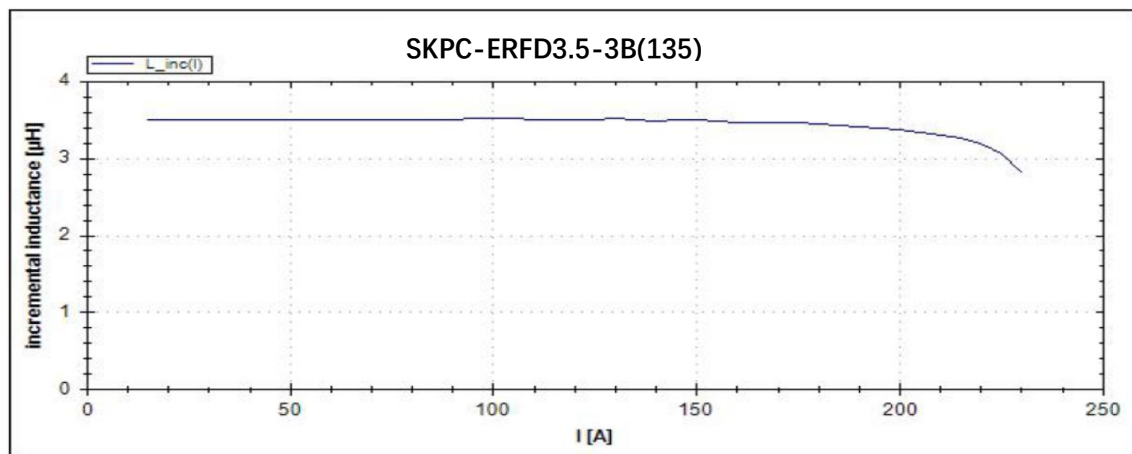
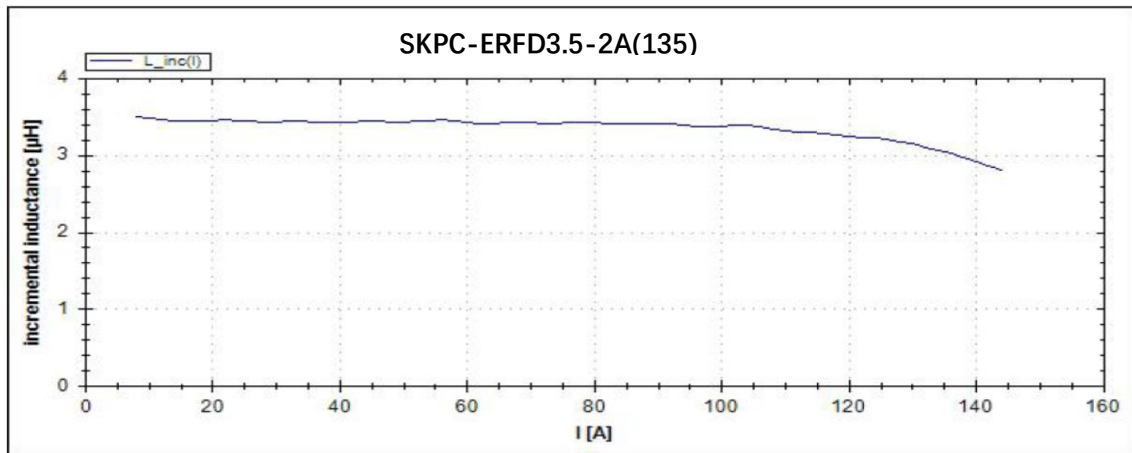


Note: This data is based on the WK-3260B.

# Inductor



L(uH) vs Current(A)



Note: This data is based on the DPG10 Power Choke Tester.