

Inductor



Figure



Type A



Type B

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:

<i>SERIES : SKPC-EREA10-XXX</i>	
Test Conditions:	25°C 10KHz 1V
Inductance :	10μH±5% (No Current)
Dimensions(L*W*H):	74*53*26mm
Pins and Connection	2*Terminals
Hi-Pot(Wire to Core)	1KV/3KV/5KV DC^①

Model	Type	DCR Max 20°C	Isat L drops 20% (Max)	Irms Temperature Rise 40°C (Max.) ^②	Weight (Max)
SKPC-EREA10-2A(135)	A	2.0mΩ	18A	14.4A	182g
SKPC-EREA10-3A(135)	A	0.9mΩ	43A	43.2A	222g
SKPC-EREA10-4A(135)	A	1.0mΩ	62A	57.6A	261g
SKPC-EREA10-5B(135)	B	0.8mΩ	74A	48A	340g
SKPC-EREA10-6B(135)	B	1.2mΩ	91A	40A	340g
SKPC-EREA10-7B(135)	B	1.8mΩ	108A	32A	329g
SKPC-EREA10-8B(135)	B	2.1mΩ	130A	32A	351g
SKPC-EREA10-9B(135)	B	2.5mΩ	142A	32A	351g

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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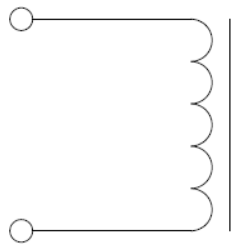


Material List

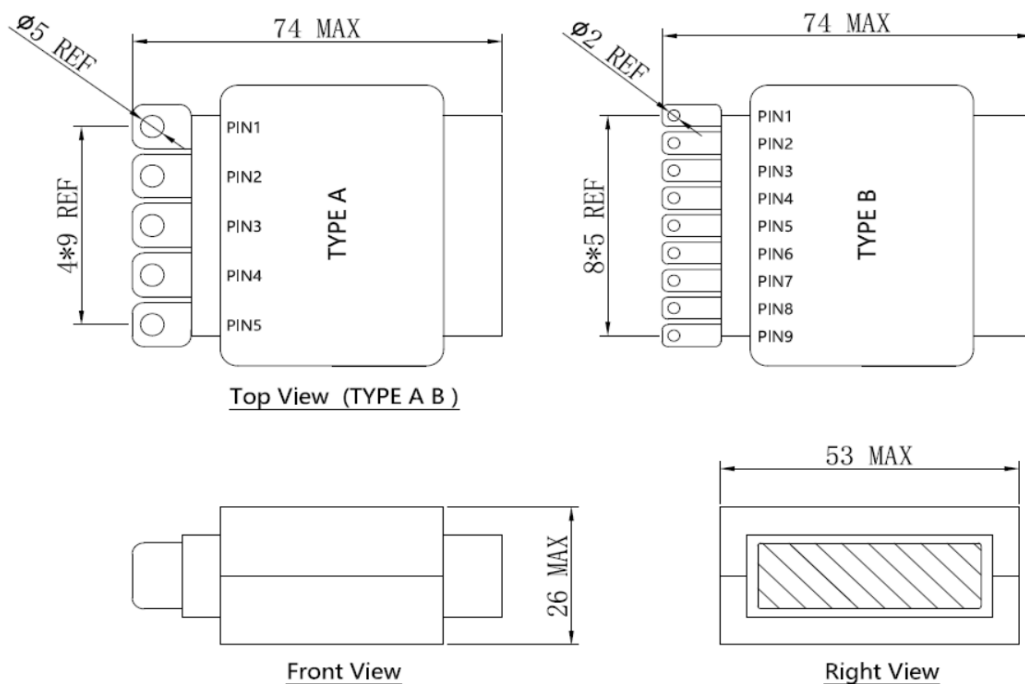
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

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

Schematic Diagram



Configurations and Dimensions (mm)

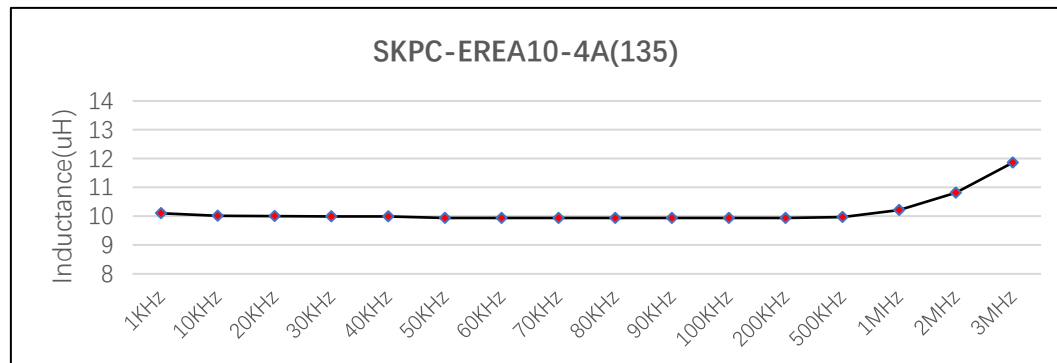
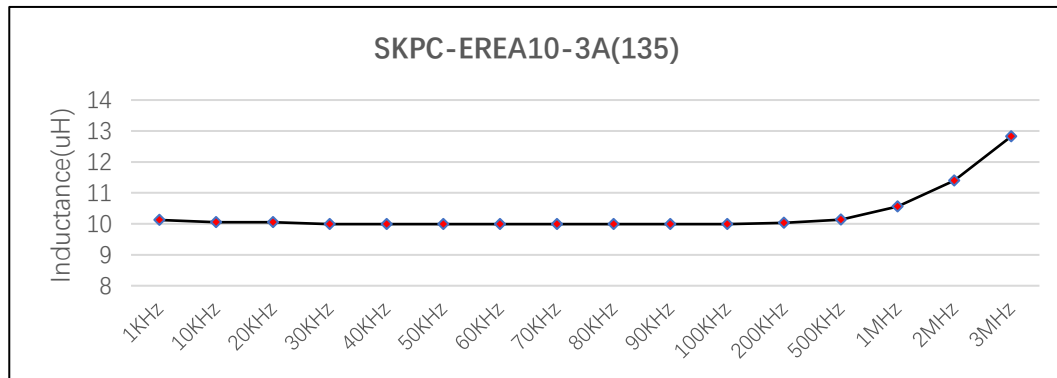
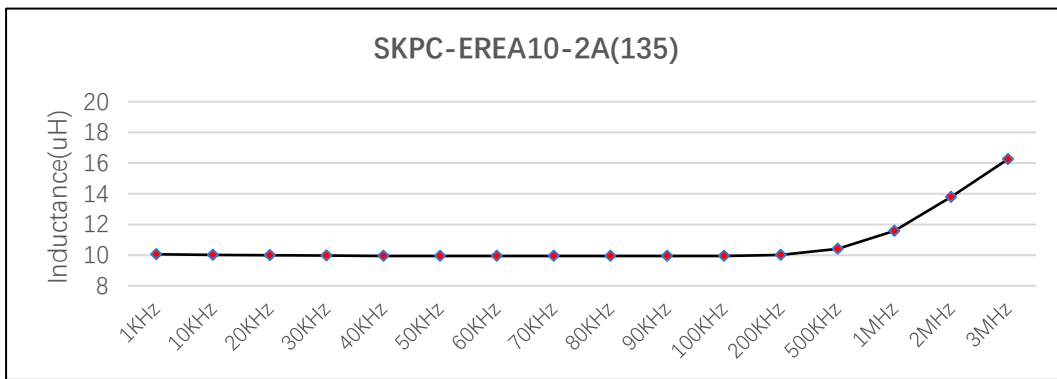


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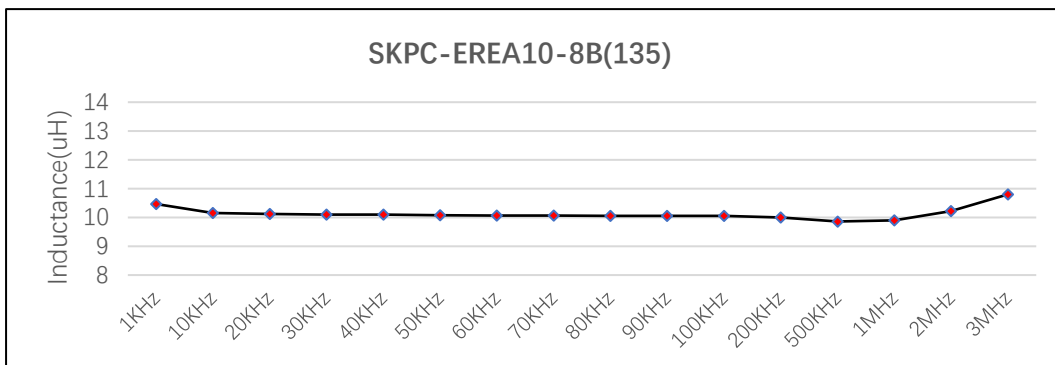
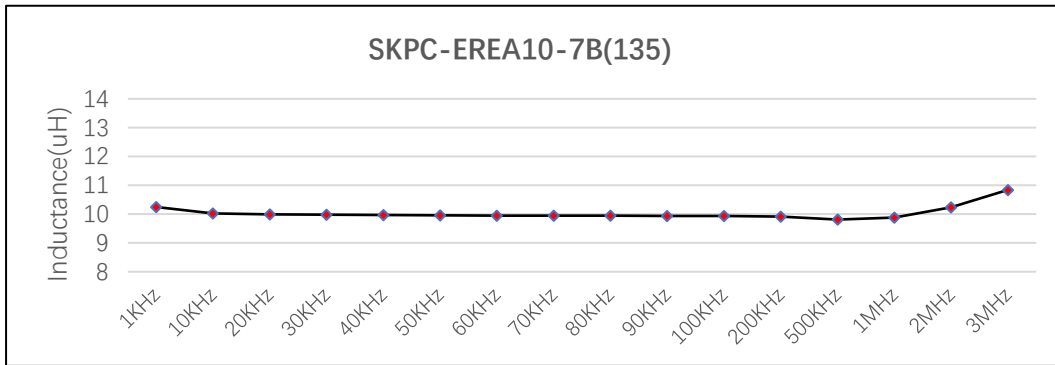
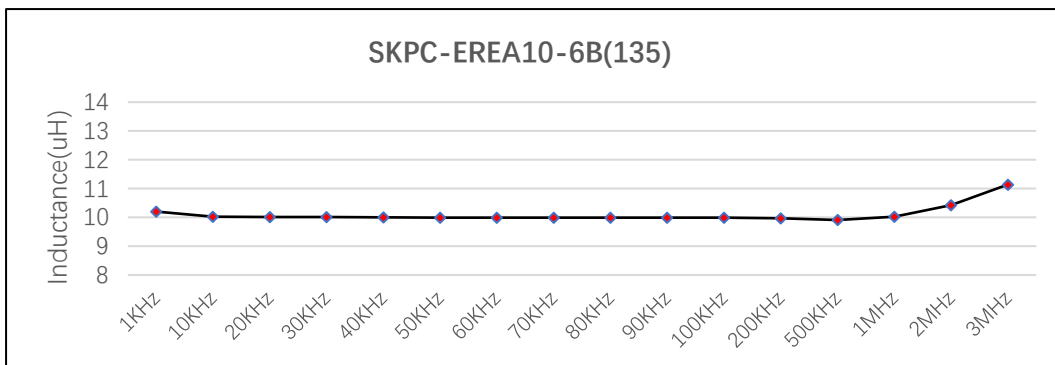
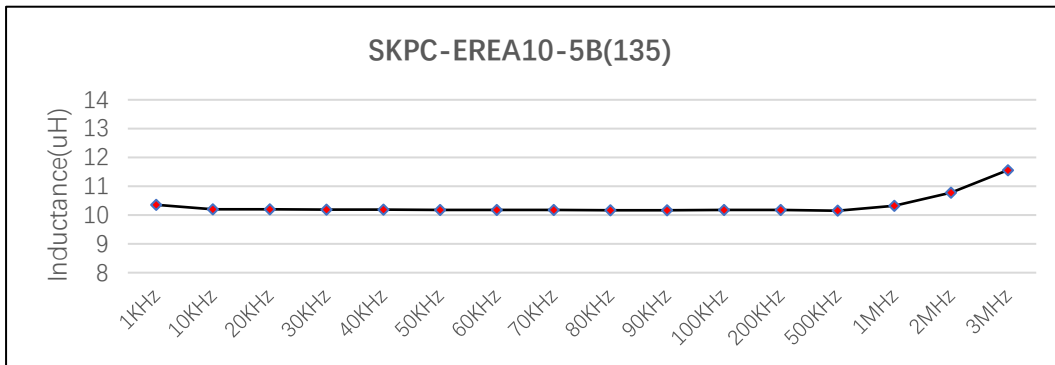


Model.	Type	Description of pins
SKPC-EREA10-2A(135)	A	PIN2+PIN4
SKPC-EREA10-3A(135)	A	PIN1+PIN4
SKPC-EREA10-4A(135)	A	PIN1+PIN5
SKPC-EREA10-5B(135)	B	PIN2+PIN7
SKPC-EREA10-6B(135)	B	PIN2+PIN8
SKPC-EREA10-7B(135)	B	PIN1+PIN8
SKPC-EREA10-8B(135)	B	PIN1+PIN9
SKPC-EREA10-9B(135)	B	PIN1+PIN8

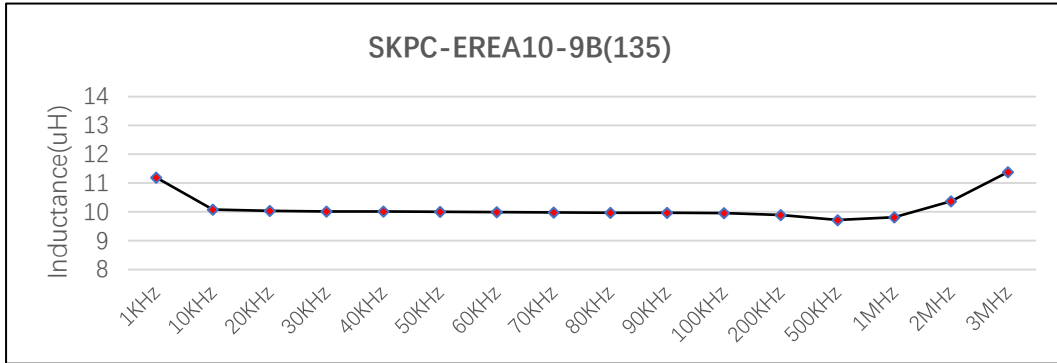
L(uH) vs Frequency(KHz)



Inductor

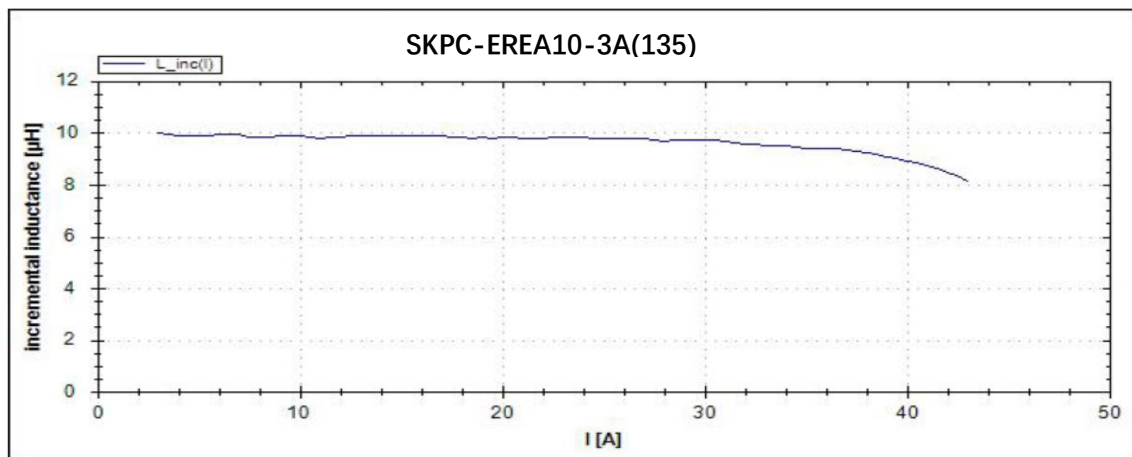
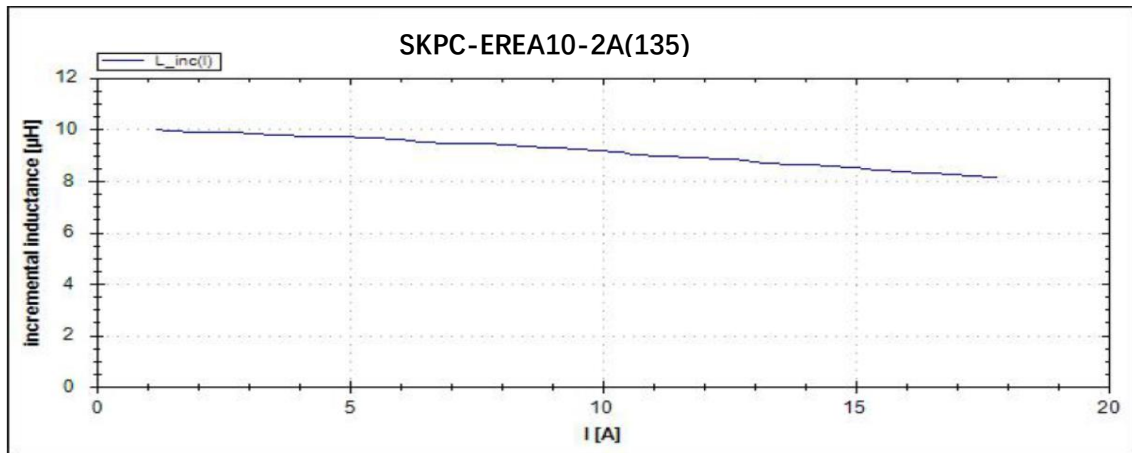


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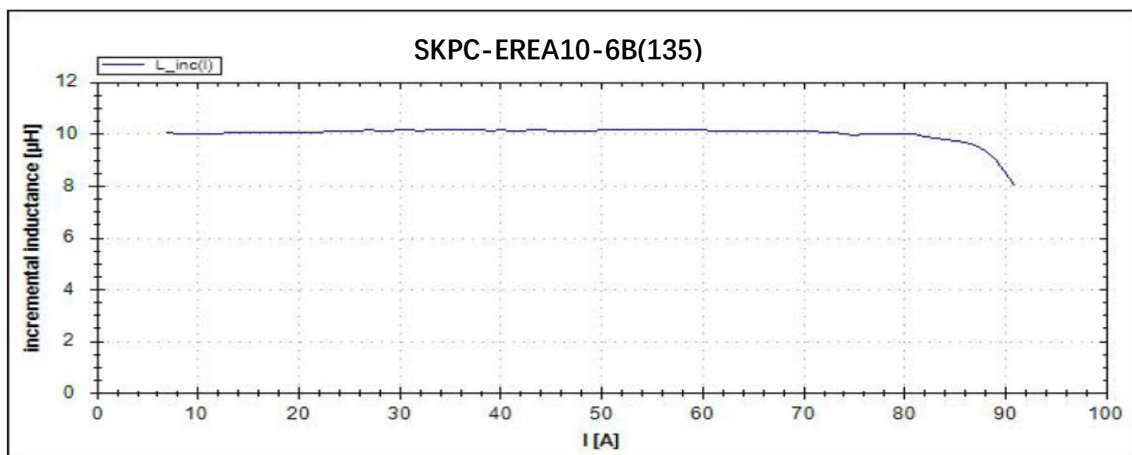
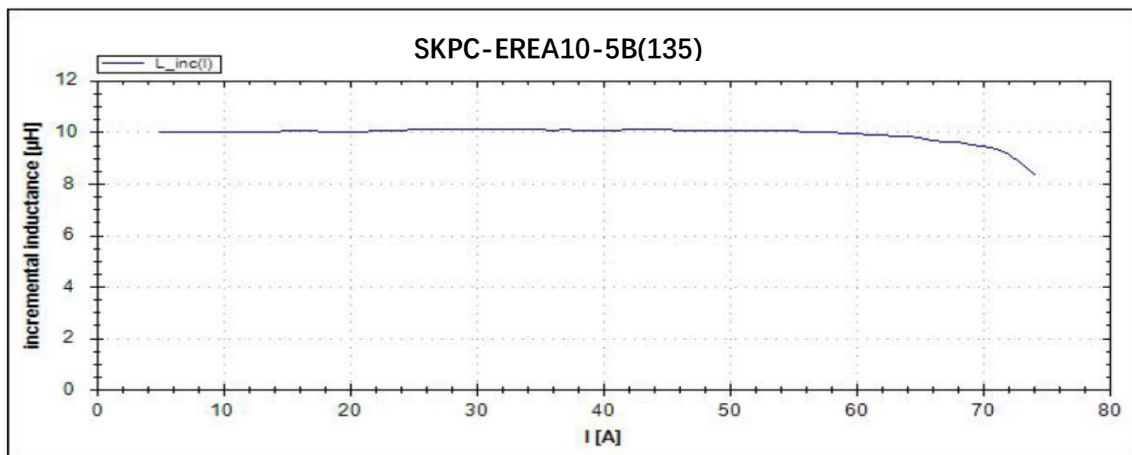
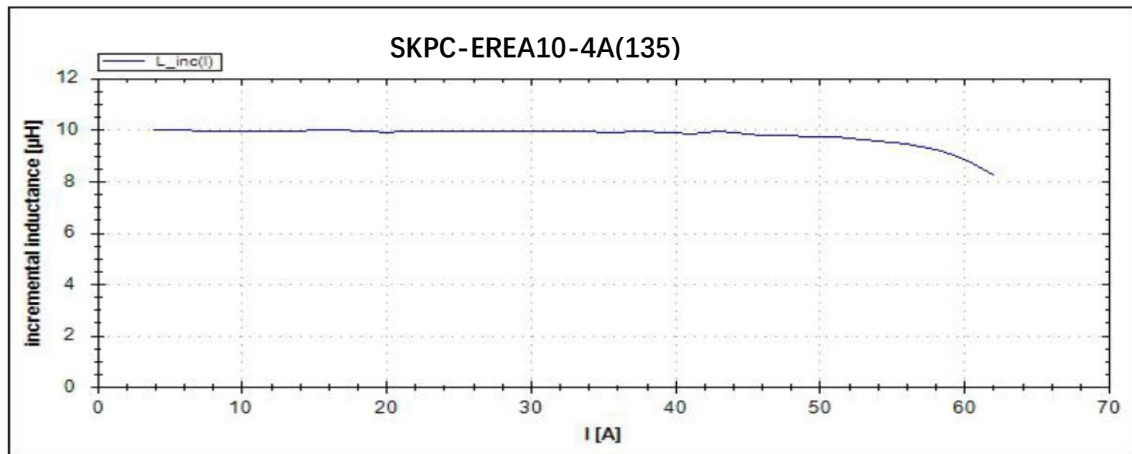


Note: This data is based on the WK-3260B.

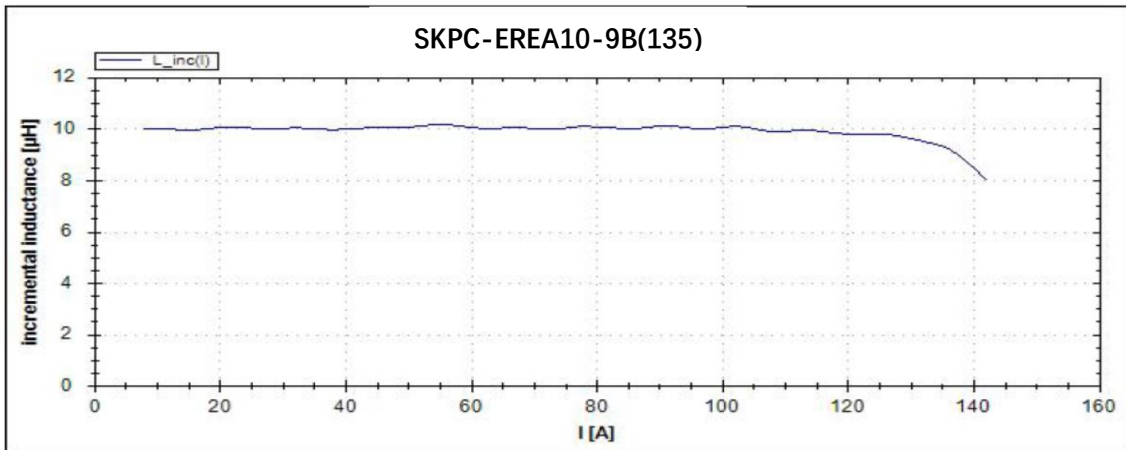
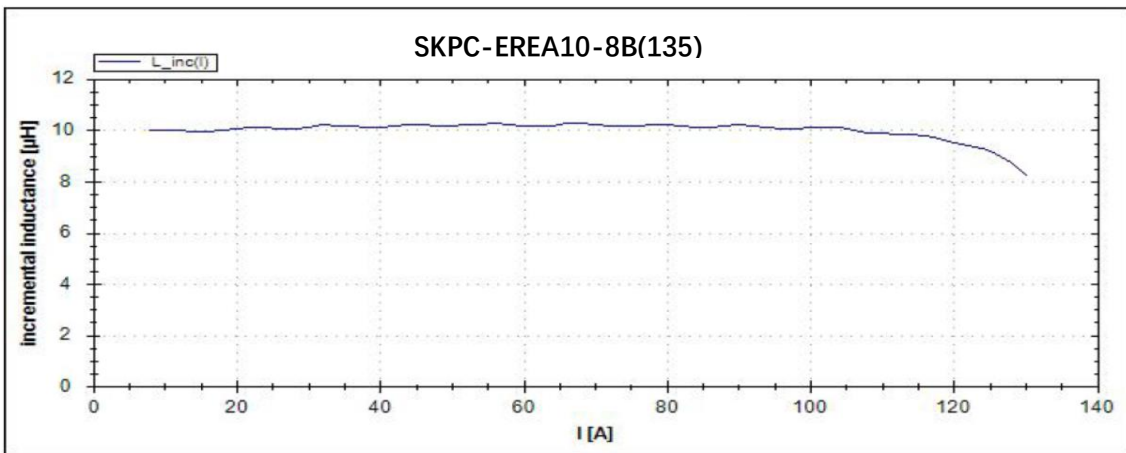
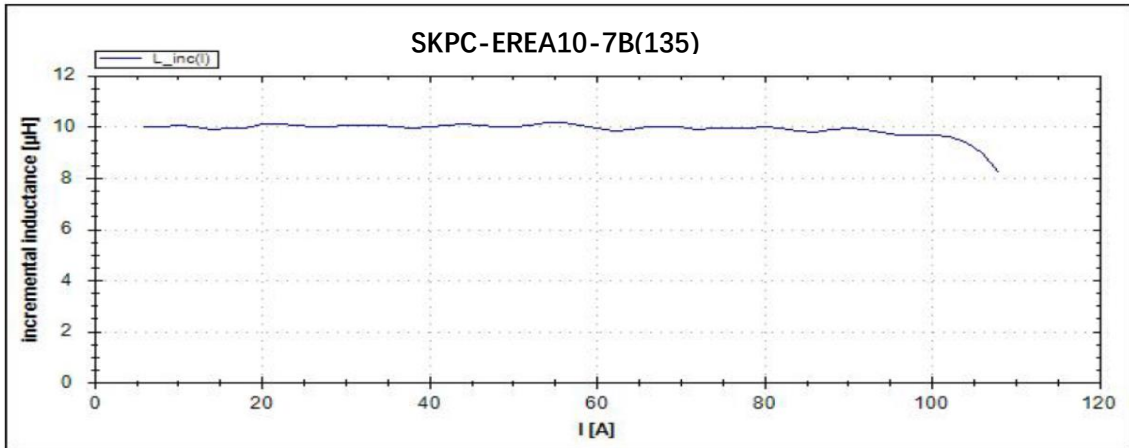
L(uH) vs Current(A)



Inductor



Inductor



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