

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-EREA7-XXX</i>	
Test Conditions:	25°C 10KHz 1V
Inductance :	7μH±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-EREA7-2A(135)	A	1.0mΩ	31A	29A	193g
SKPC-EREA7-3A(135)	A	0.7mΩ	63A	58A	239g
SKPC-EREA7-4A(135)	A	0.6mΩ	91A	86A	306g
SKPC-EREA7-5B(135)	B	0.8mΩ	109A	48A	340g
SKPC-EREA7-6B(135)	B	1.2mΩ	131A	40A	340g
SKPC-EREA7-7B(135)	B	1.8mΩ	156A	32A	329g
SKPC-EREA7-8B(135)	B	2.1mΩ	182A	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.

Inductor

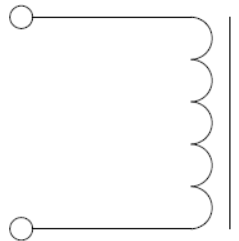


Material List

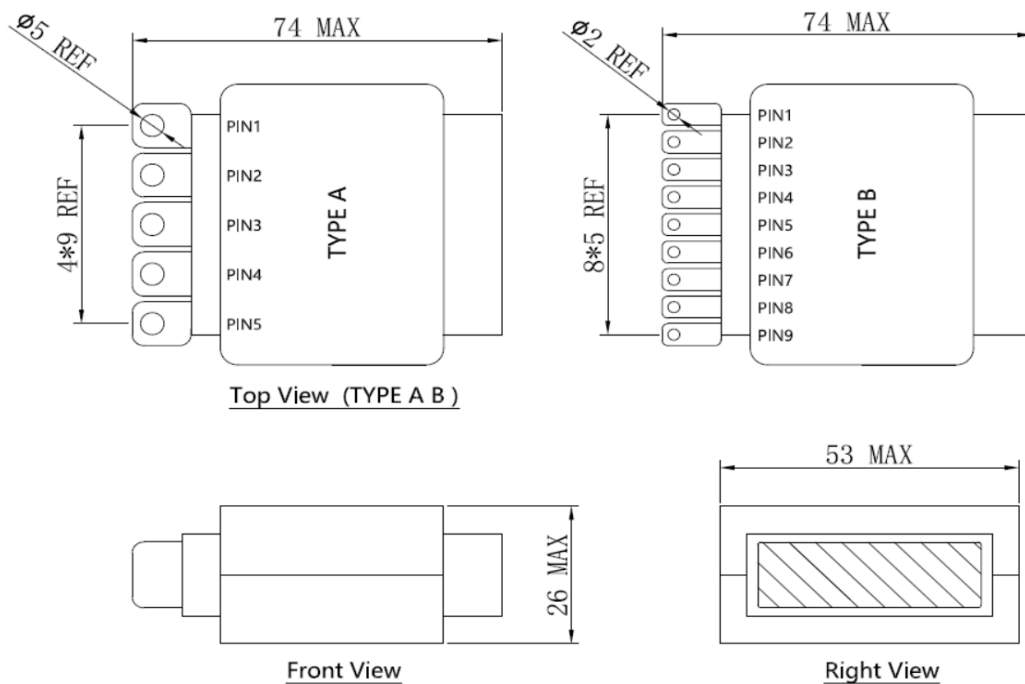
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

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

Schematic Diagram



Configurations and Dimensions (mm)

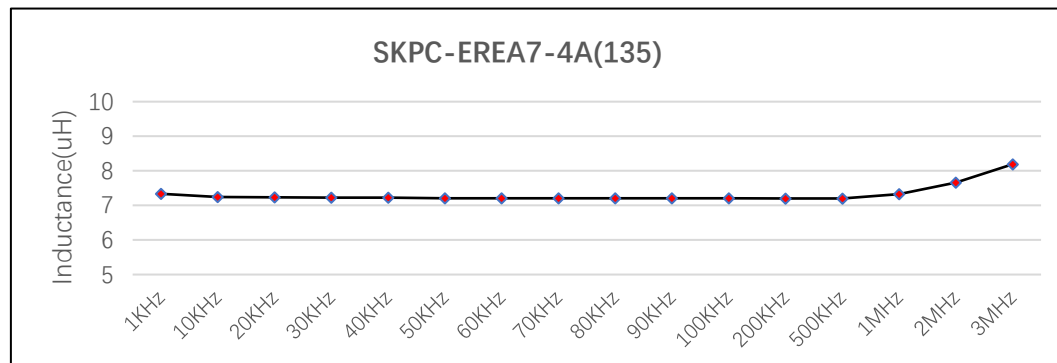
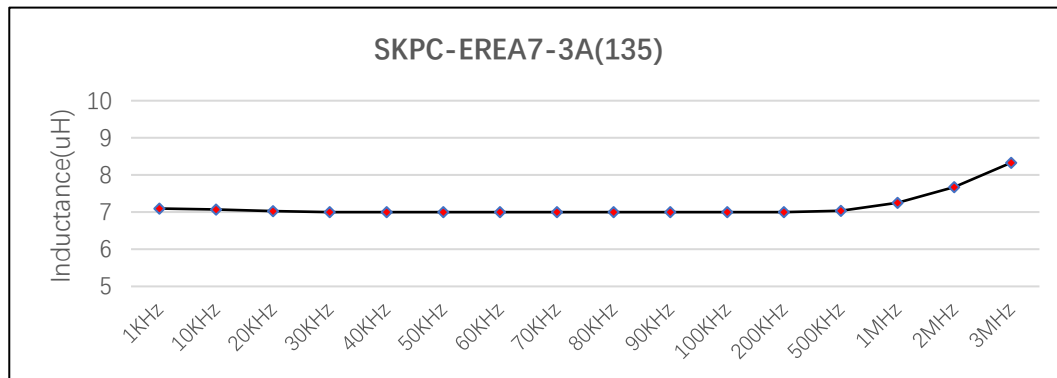
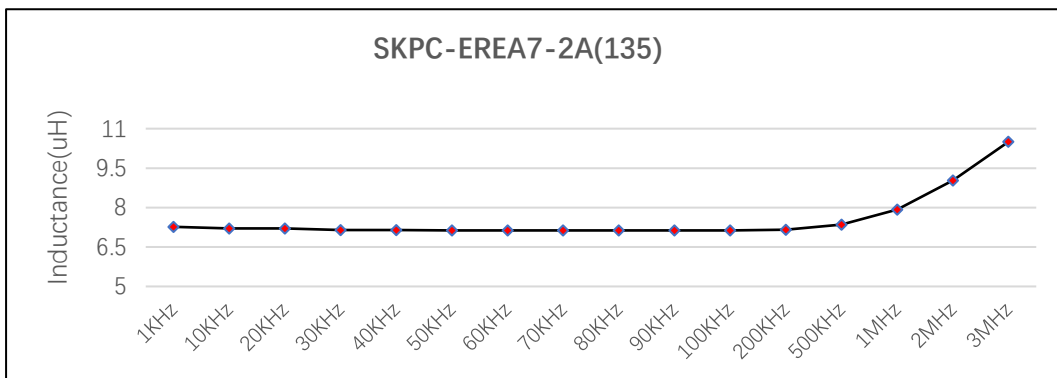


Inductor

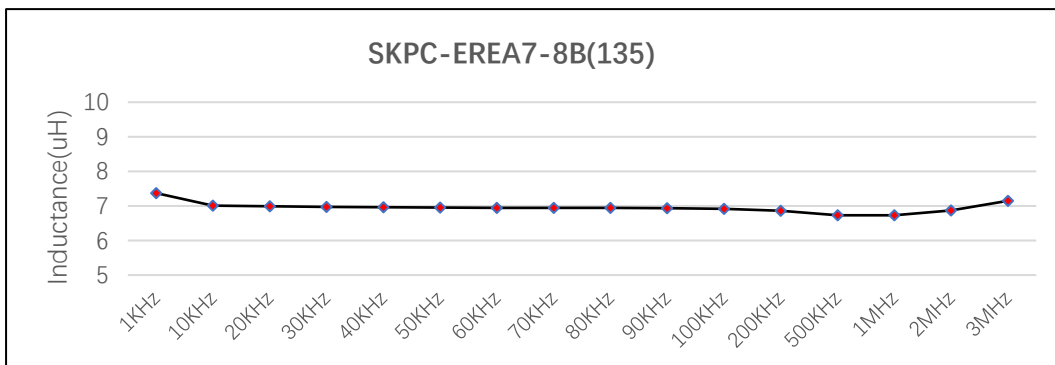
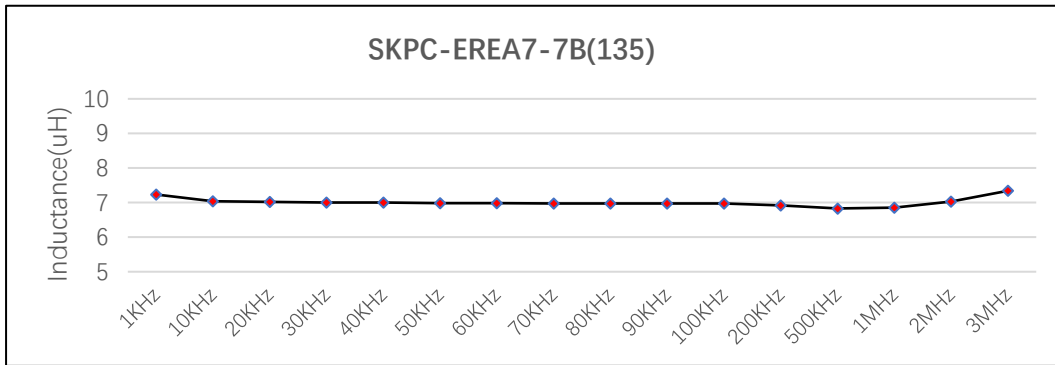
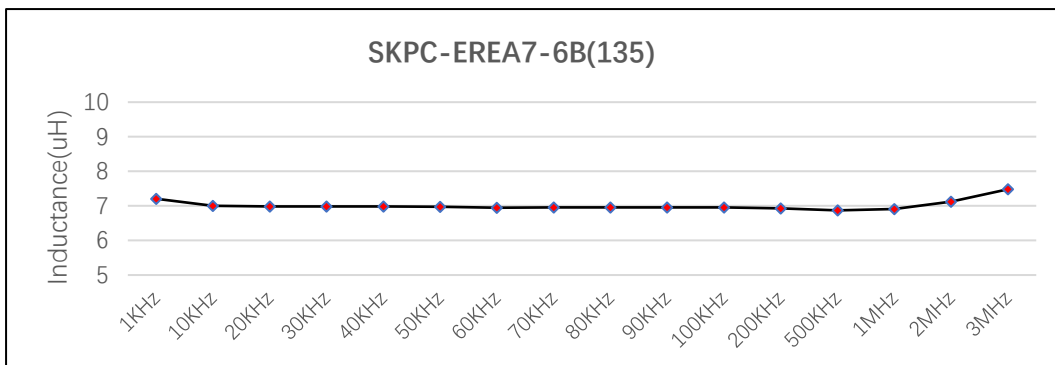
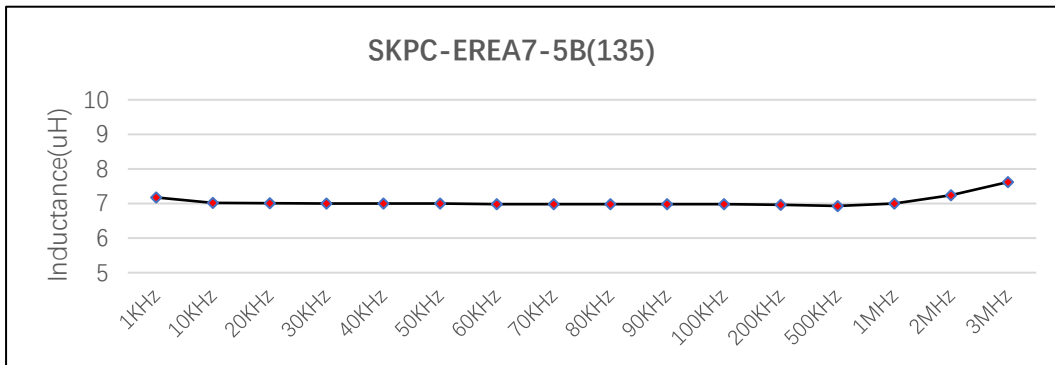


Model.	Type	Description of pins
SKPC-EREA7-2A(135)	A	PIN2+PIN4
SKPC-EREA7-3A(135)	A	PIN1+PIN4
SKPC-EREA7-4A(135)	A	PIN1+PIN5
SKPC-EREA7-5B(135)	B	PIN2+PIN7
SKPC-EREA7-6B(135)	B	PIN2+PIN8
SKPC-EREA7-7B(135)	B	PIN1+PIN8
SKPC-EREA7-8B(135)	B	PIN1+PIN9

L(uH) vs Frequency(KHz)



Inductor

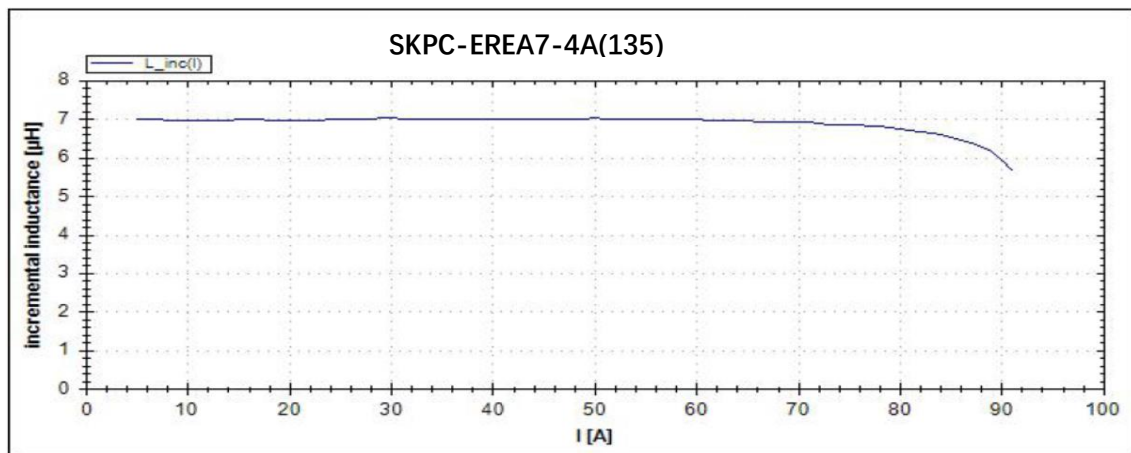
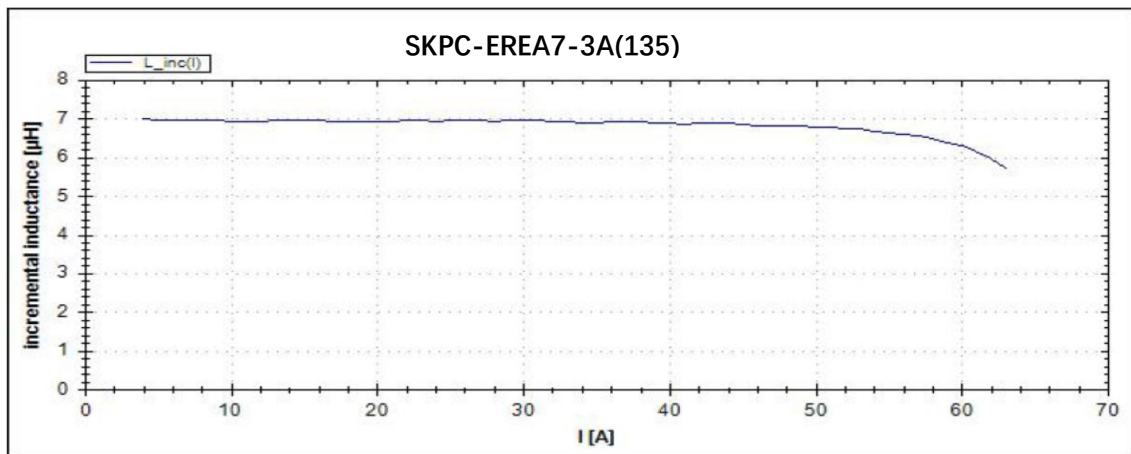
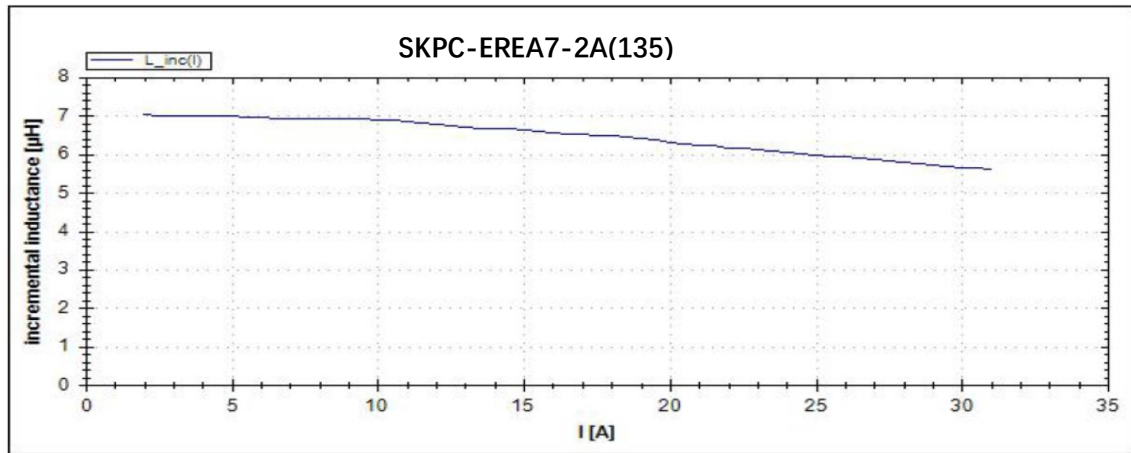


Note: This data is based on the WK-3260B.

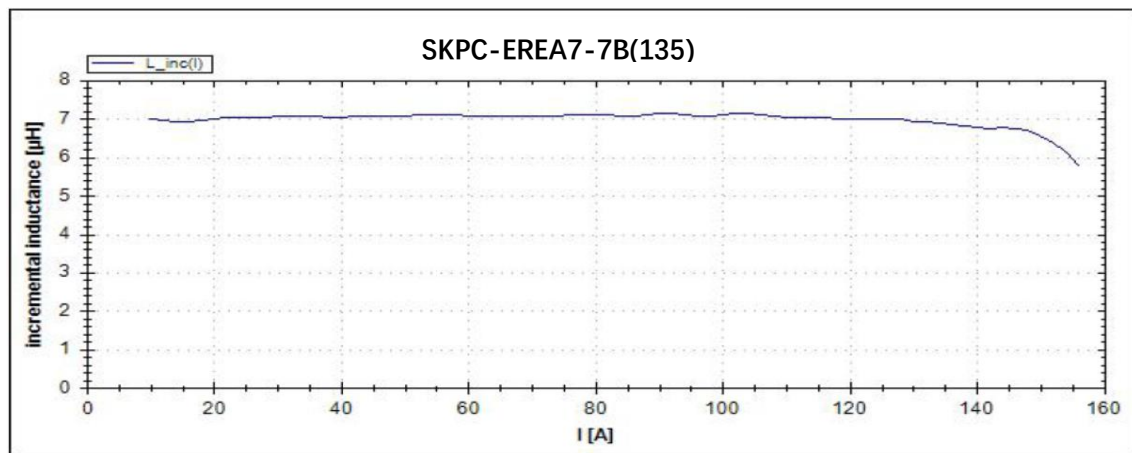
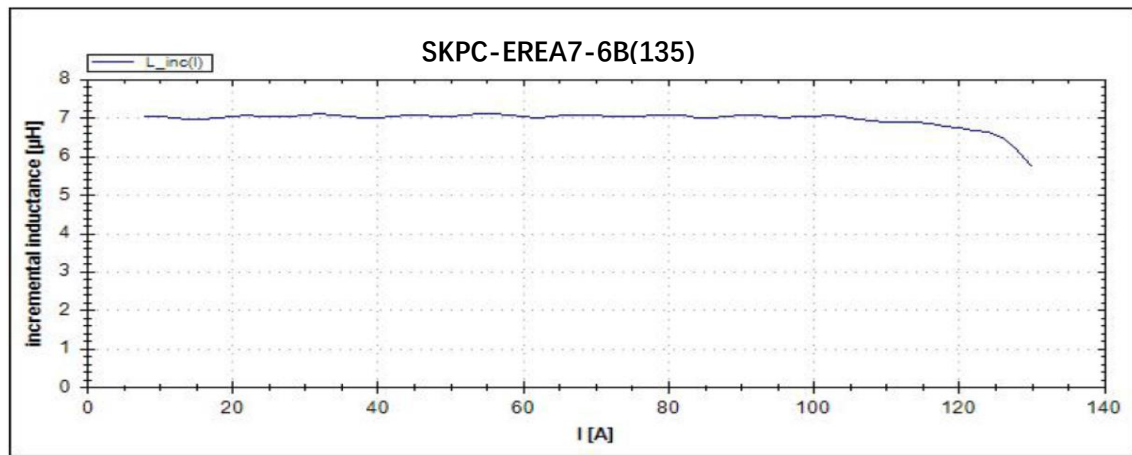
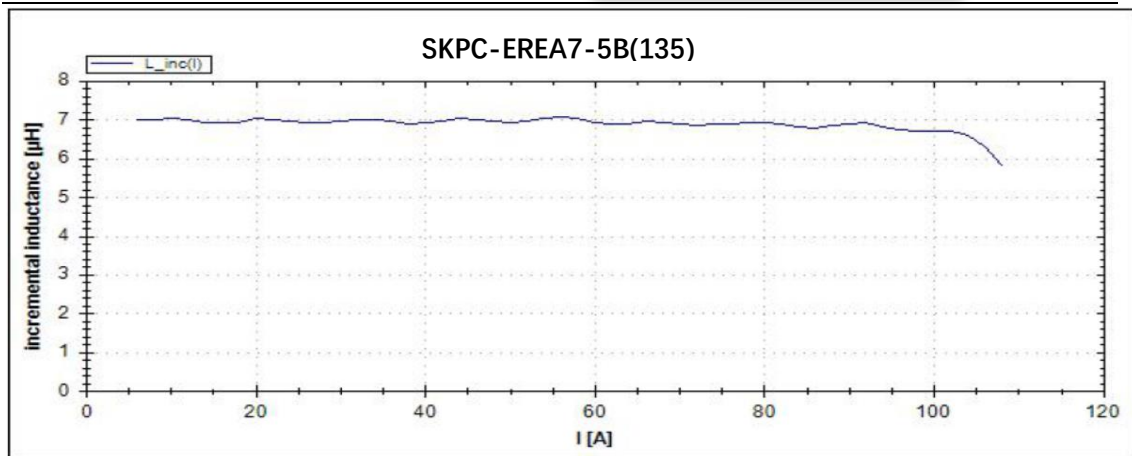
Inductor



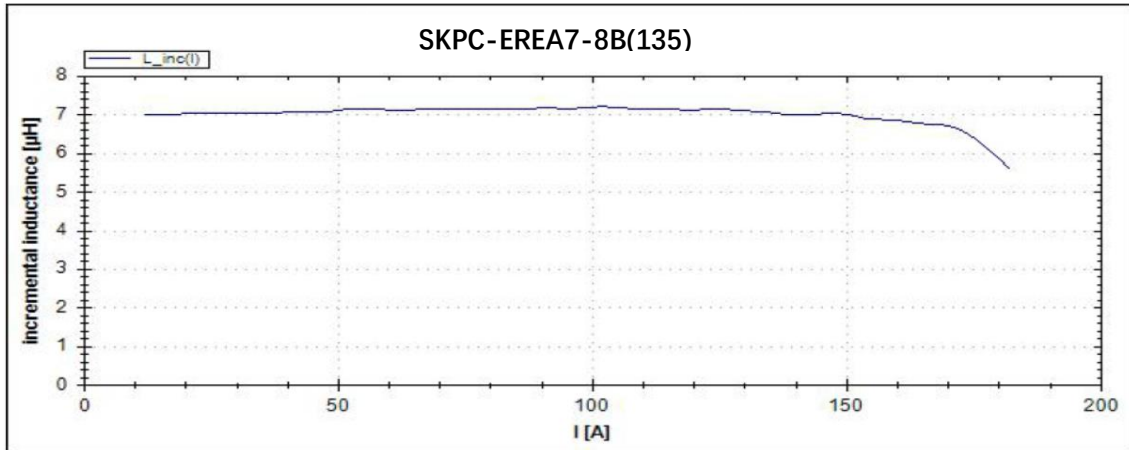
L(μ H) vs Current(A)



Inductor



Inductor



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