

# Inductor



**Figure**



Type A



Type B



Type C

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><u>SERIES : SKPC-ERDA13-XXX</u></b>	
Test Conditions:	25°C 10KHz 1V
Inductance :	13μH±5% (No Current)
Dimensions(L*W*H):	54*42*16mm
Pins and Connection	2*Terminals
Hi-Pot(Wire to Core)	1KV/3KV/5KV DC①

Model	Type	DCR Max 20°C	Isat L drops 20% (Max)	Irms Temperature Rise 40°C (Max.) ②	Weight (Max)
SKPC-ERDA13-3B(135)	B	3.1mΩ	17A	9.6A	87g
SKPC-ERDA13-4B(135)	B	2.6mΩ	25A	19.2A	102g
SKPC-ERDA13-5C(135)	C	3.1mΩ	34A	9.6A	108g
SKPC-ERDA13-6C(135)	C	3.3mΩ	42A	9.6A	115g
SKPC-ERDA13-7C(135)	C	4.0mΩ	53A	9.6A	121g
SKPC-ERDA13-8C(135)	C	9.2mΩ	61A	4.8A	102g
SKPC-ERDA13-9C(135)	C	10.2mΩ	69A	4.8A	102g
SKPC-ERDA13-10C(135)	C	11.1mΩ	79A	4.8A	105g

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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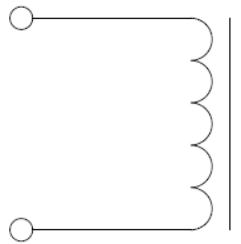


## Material List

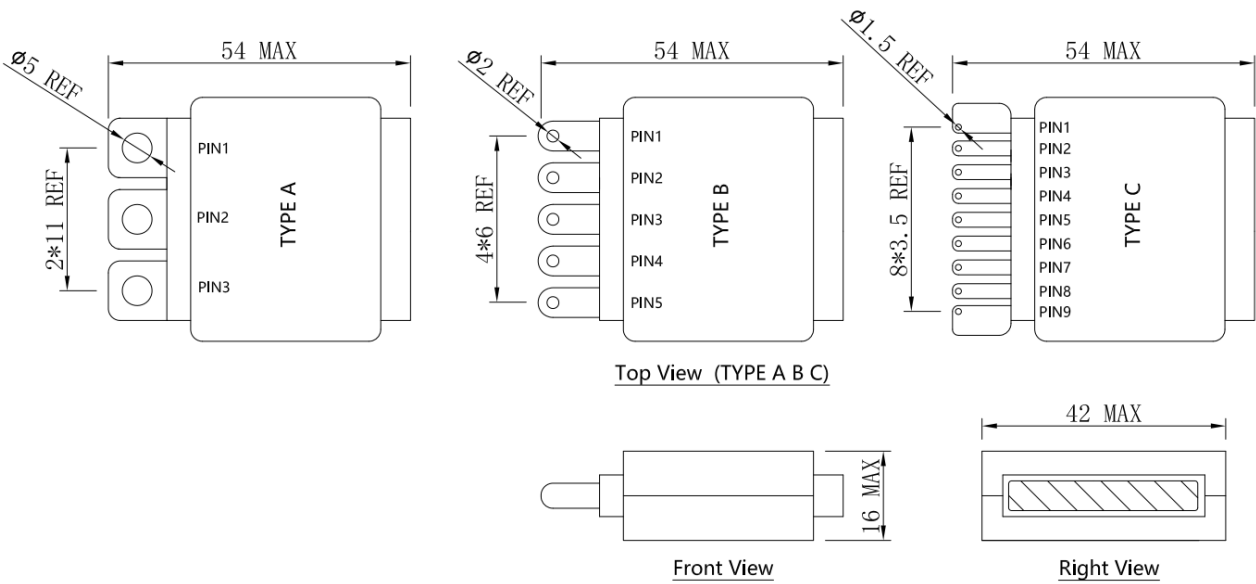
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

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

## Schematic Diagram



## Configurations and Dimensions (mm)

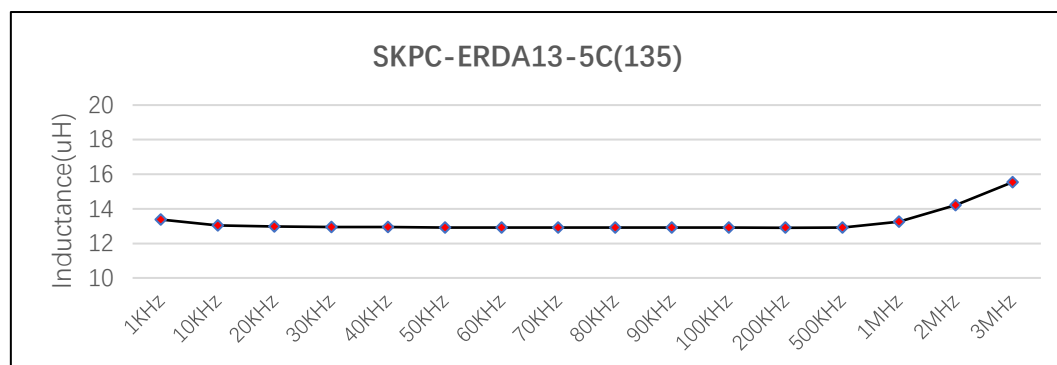
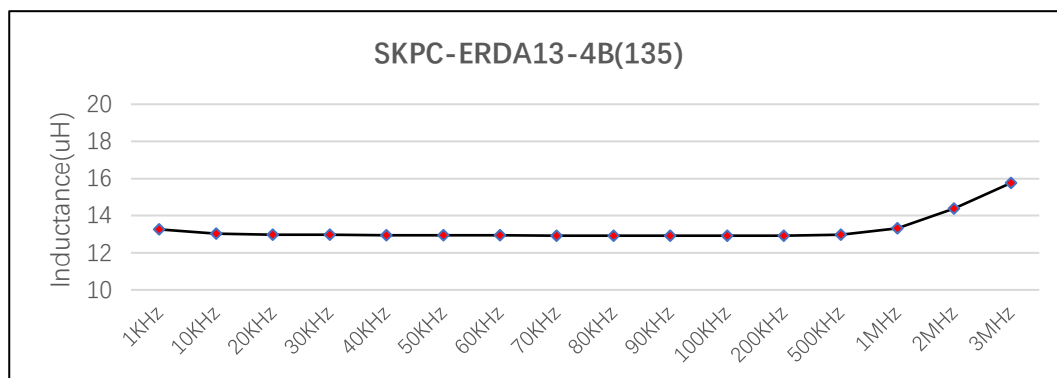
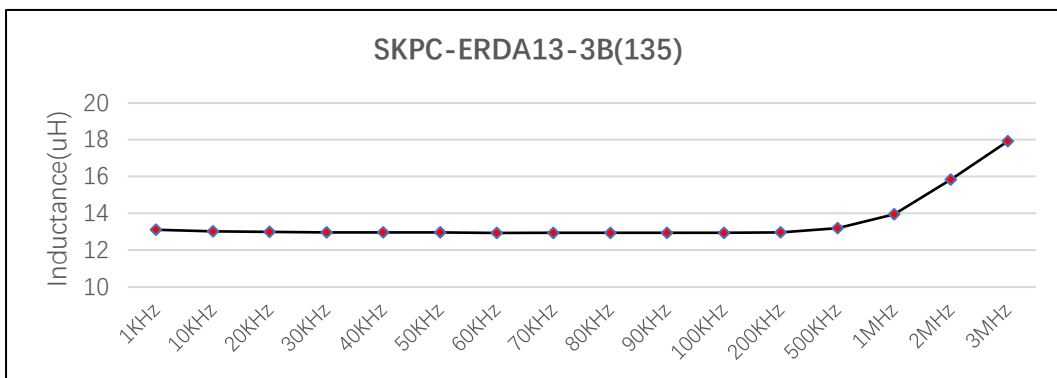


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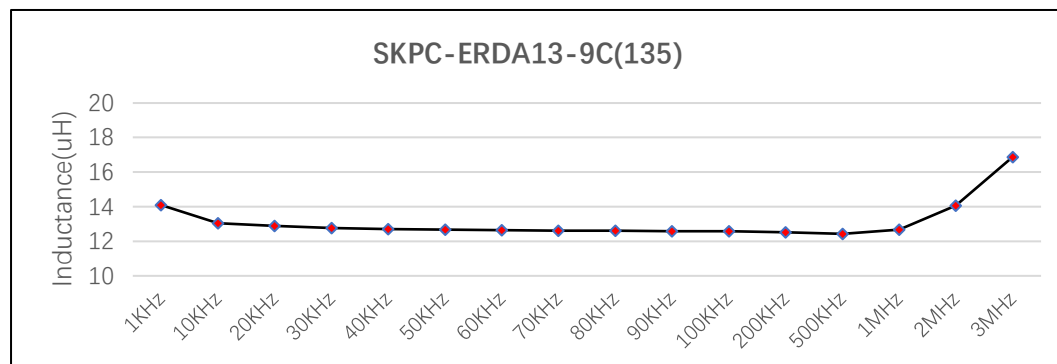
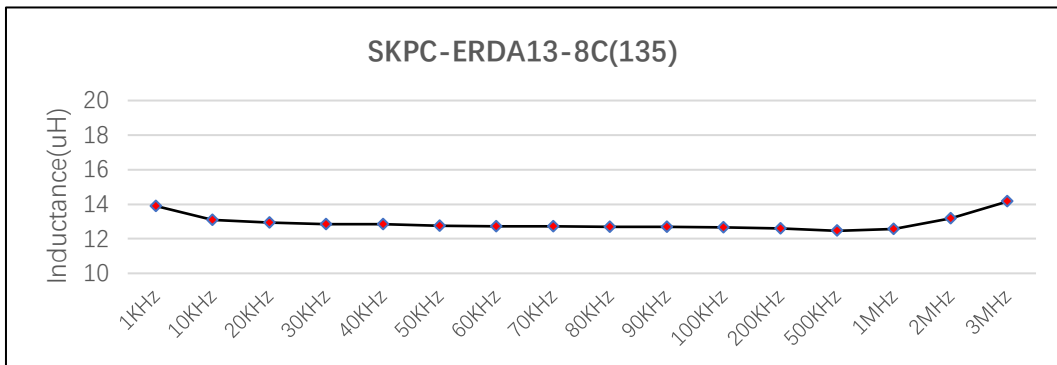
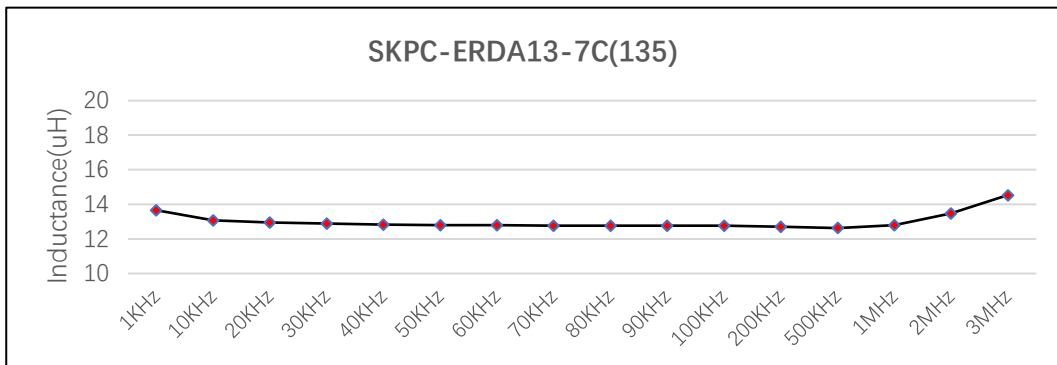
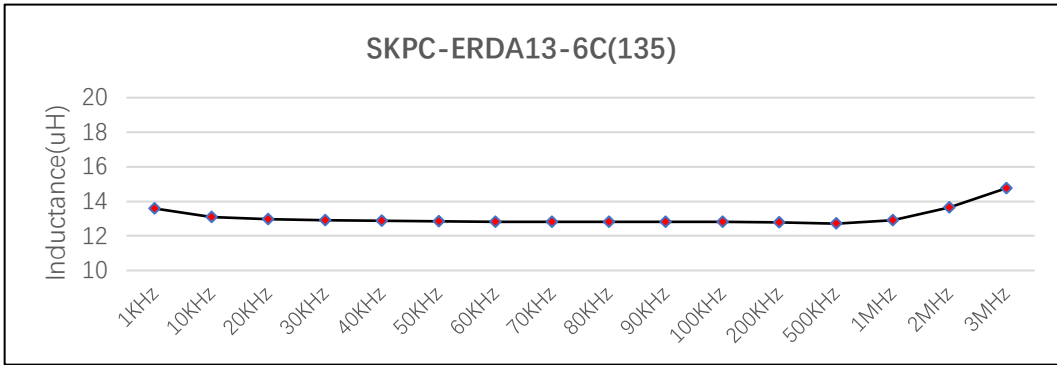


Model.	Type	Description of pins
SKPC-ERDA13-3B(135)	B	PIN1+PIN4
SKPC-ERDA13-4B(135)	B	PIN1+PIN5
SKPC-ERDA13-5C(135)	C	PIN2+PIN7
SKPC-ERDA13-6C(135)	C	PIN2+PIN8
SKPC-ERDA13-7C(135)	C	PIN1+PIN8
SKPC-ERDA13-8C(135)	C	PIN1+PIN9
SKPC-ERDA13-9C(135)	C	PIN1+PIN8
SKPC-ERDA13-10C(135)	C	PIN1+PIN9

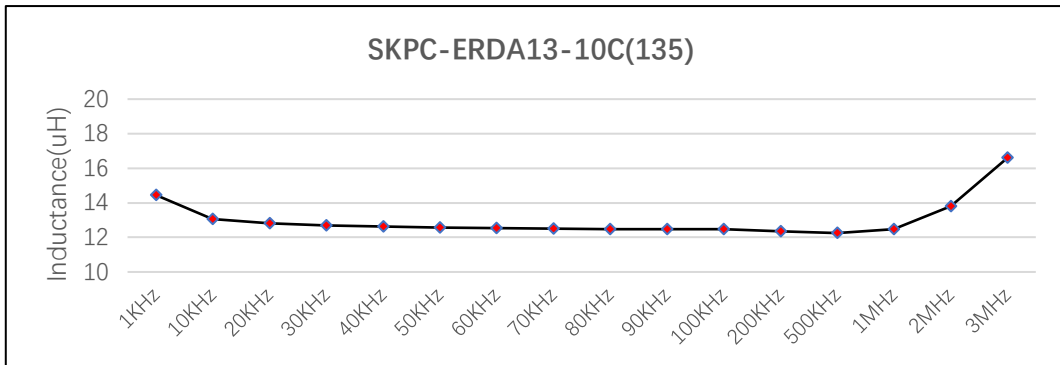
## L(uH) vs Frequency(KHz)



# Inductor

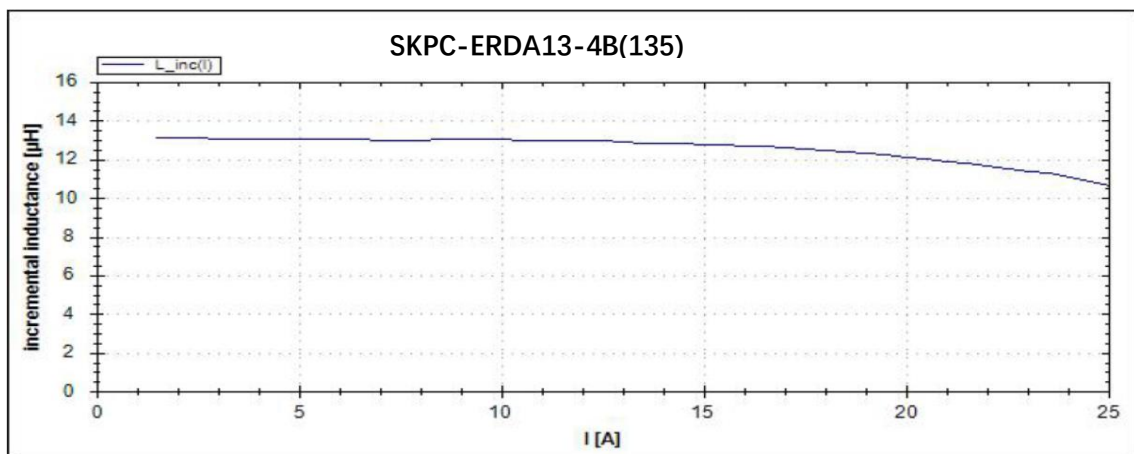
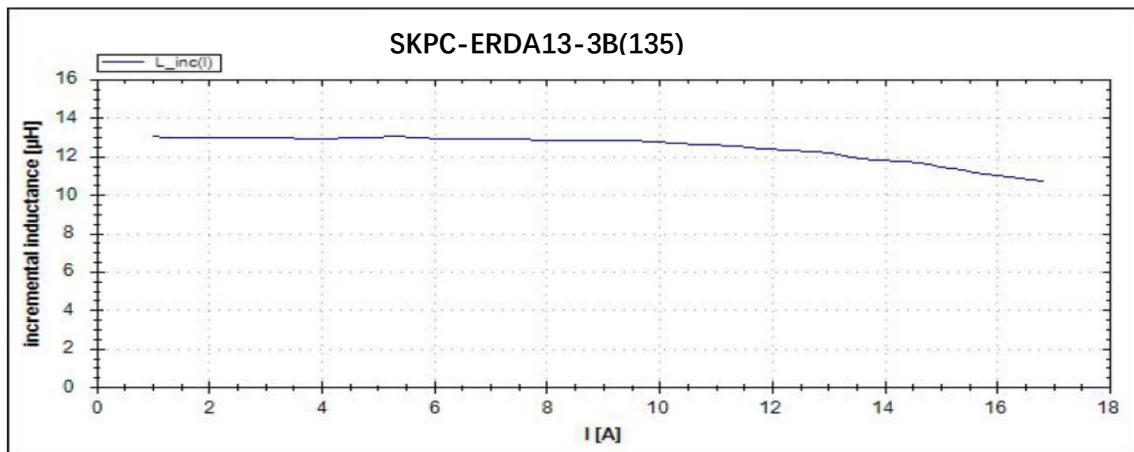


# Inductor

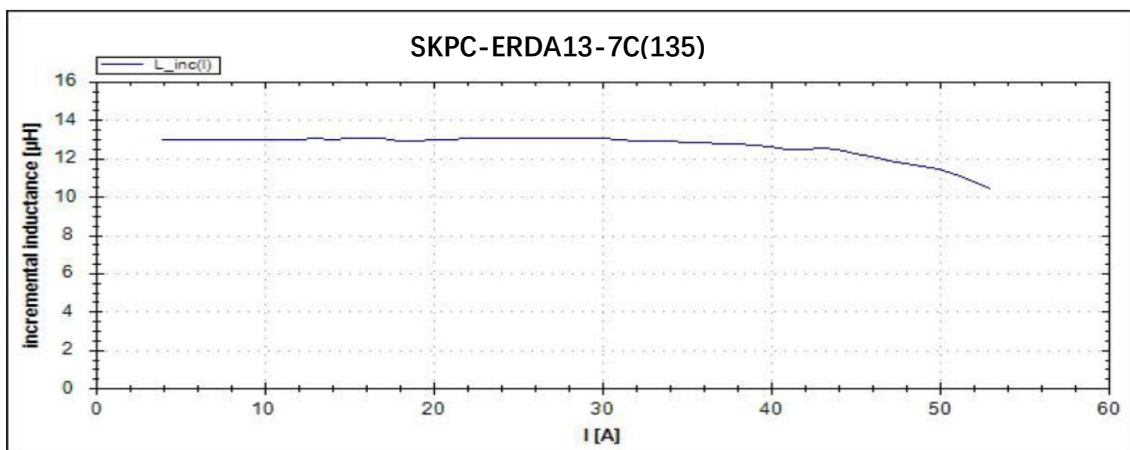
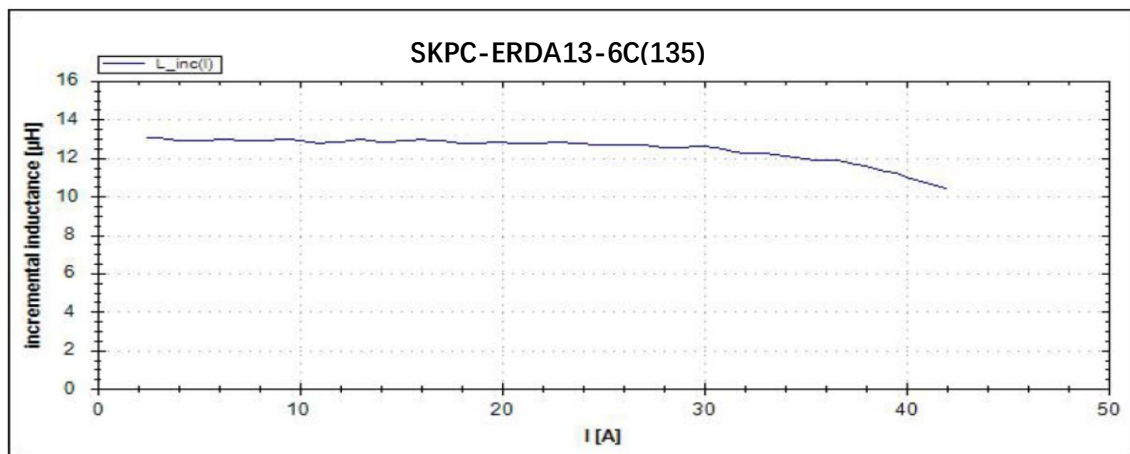
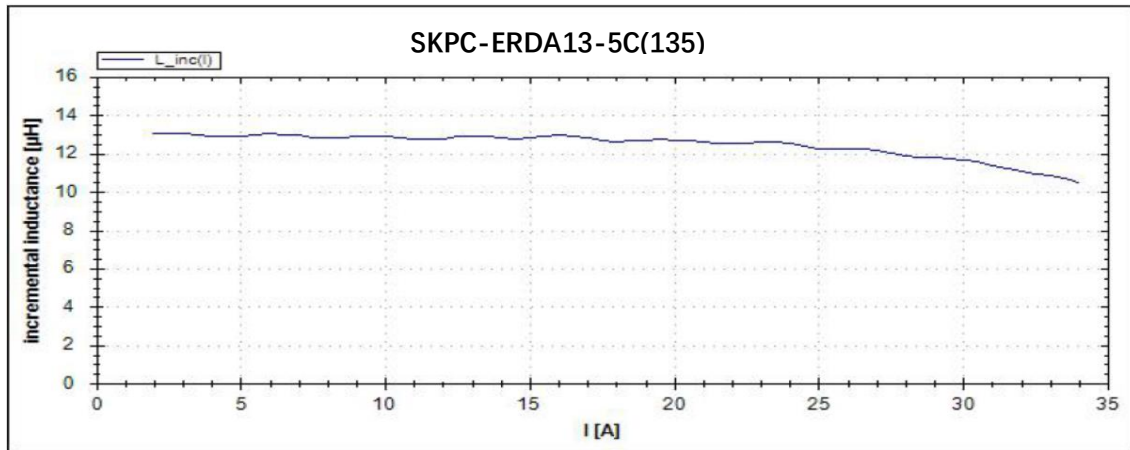


Note: This data is based on the WK-3260B.

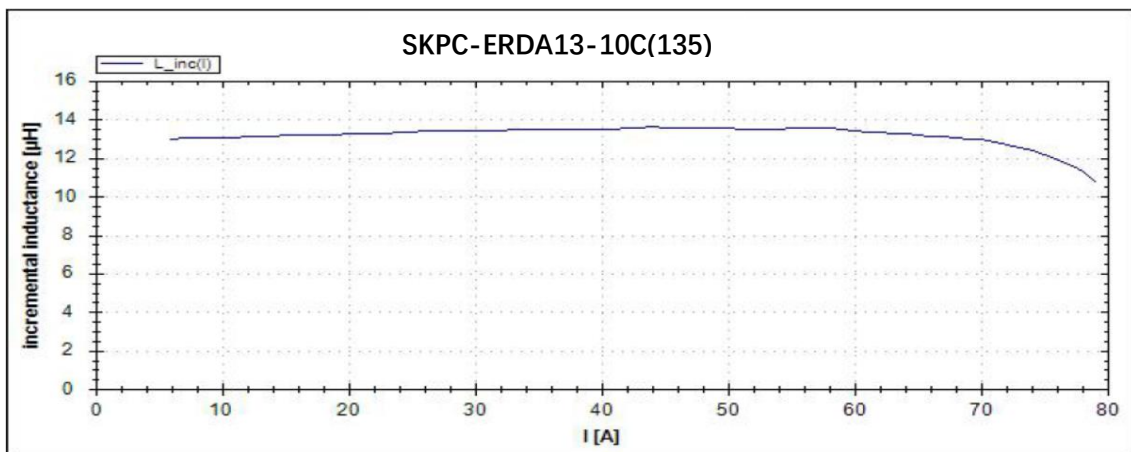
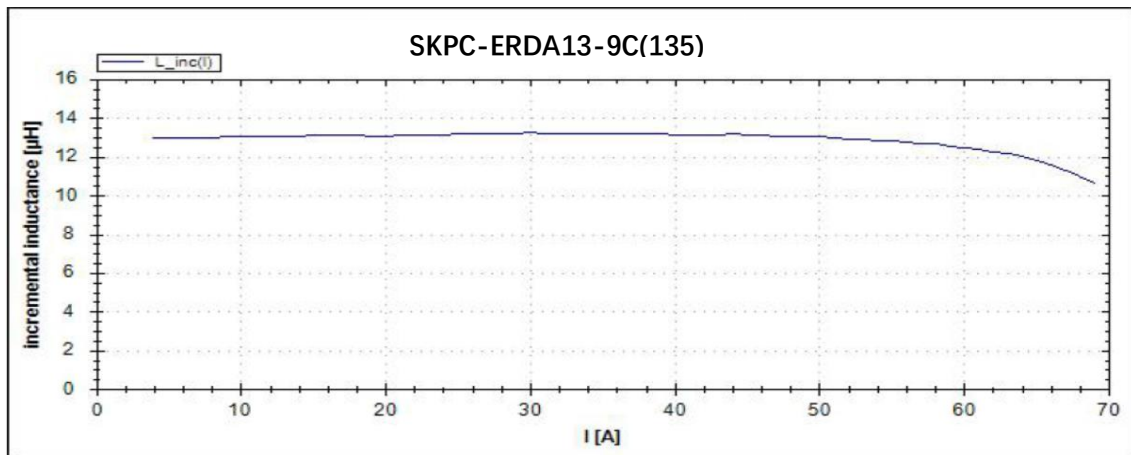
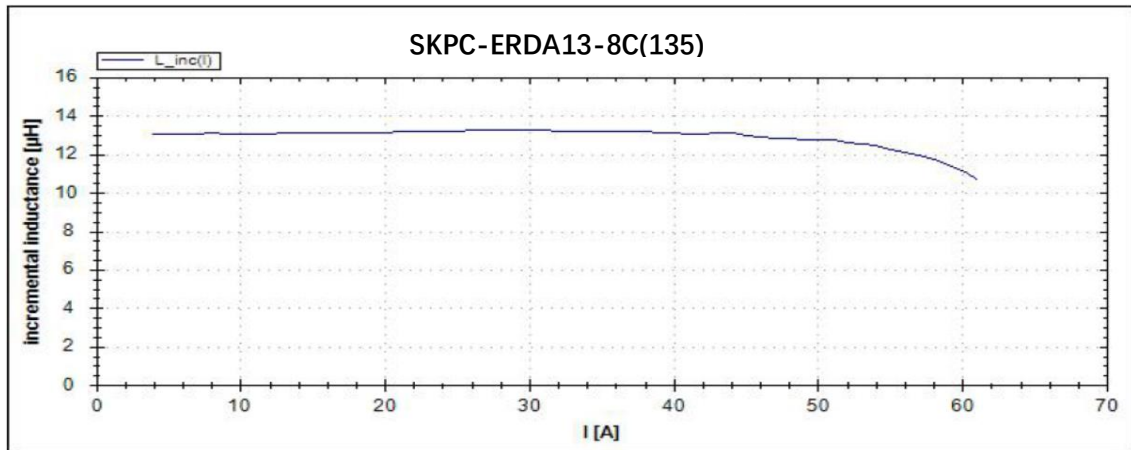
## L(uH) vs Current(A)



# Inductor



# Inductor



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