

# 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:**

<b><i>SERIES : SKPC-EREA20-XXX</i></b>	
Test Conditions:	<b>25°C 10KHz 1V</b>
Inductance :	<b>20μH±5% (No Current)</b>
Dimensions(L*W*H):	<b>74*53*26mm</b>
Pins and Connection	<b>2*Terminals</b>
Hi-Pot(Wire to Core)	<b>1KV/3KV/5KV DC<sup>①</sup></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.) <sup>②</sup></b>	<b>Weight (Max)</b>
SKPC-EREA20-3A(135)	A	2.8mΩ	18A	14.4A	182g
SKPC-EREA20-4A(135)	A	1.9mΩ	29A	28.8A	216g
SKPC-EREA20-5B(135)	B	1.3mΩ	35A	32A	284g
SKPC-EREA20-6B(135)	B	1.2mΩ	44A	40A	340g
SKPC-EREA20-7B(135)	B	1.8mΩ	53A	32A	329g
SKPC-EREA20-8B(135)	B	2.1mΩ	61A	32A	351g
SKPC-EREA20-9B(135)	B	2.5mΩ	68A	32A	351g
SKPC-EREA20-10B(135)	B	3.6mΩ	76A	24A	323g
SKPC-EREA20-11B(135)	B	3.9mΩ	83A	24A	323g
SKPC-EREA20-12B(135)	B	4.3mΩ	90A	24A	323g
SKPC-EREA20-13B(135)	B	4.7mΩ	97A	24A	340g

Operating temperature: -40°C to +75°C

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Note:

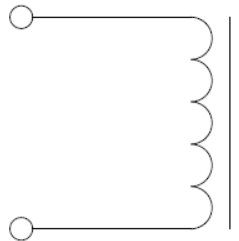
1. Classification of different Hi-Pot level : 1-1KVDC/3-3KVDC/5-5KVDC
2. Since different ways of heat dissipation affect Temperature rise, Temperature rise is reference.

## Material List

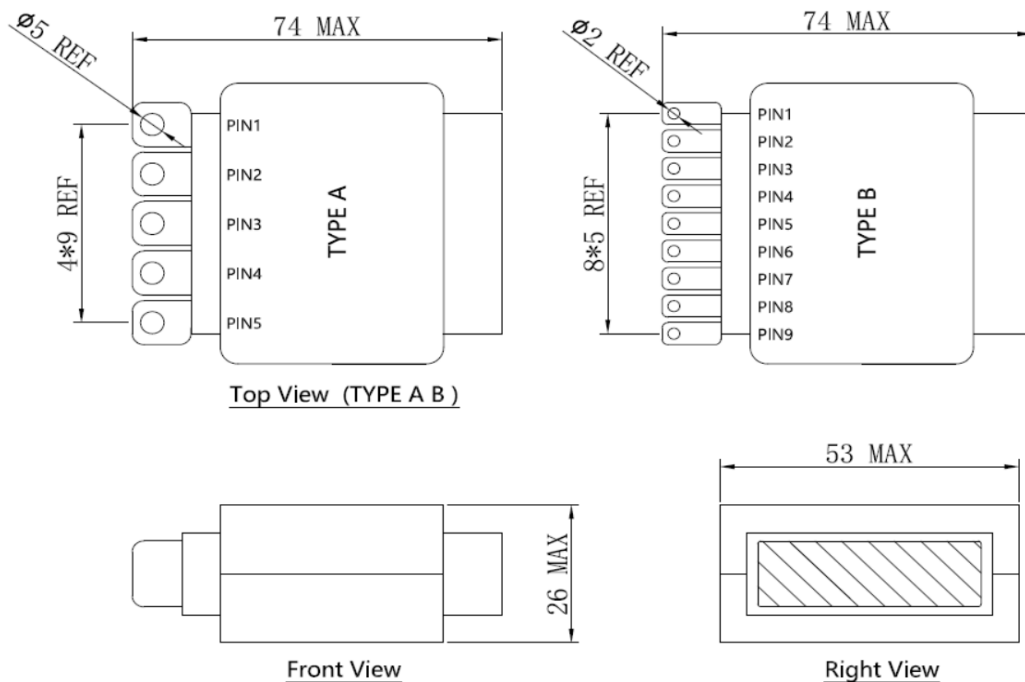
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

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

## Schematic Diagram



## Configurations and Dimensions (mm)

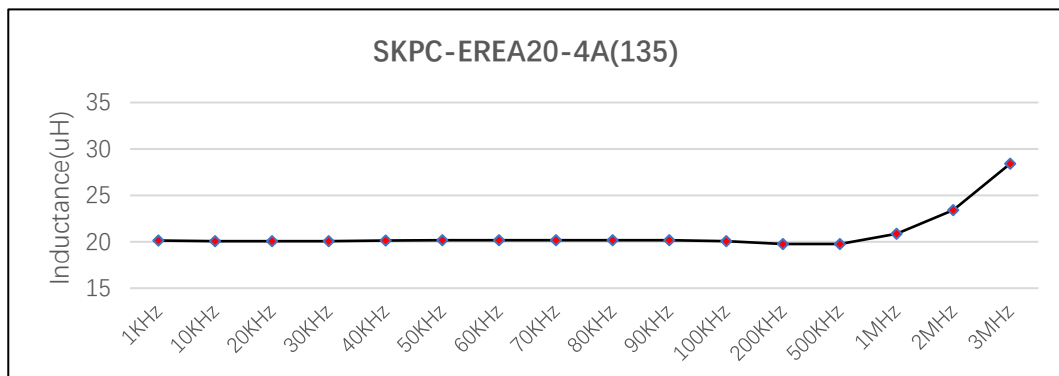
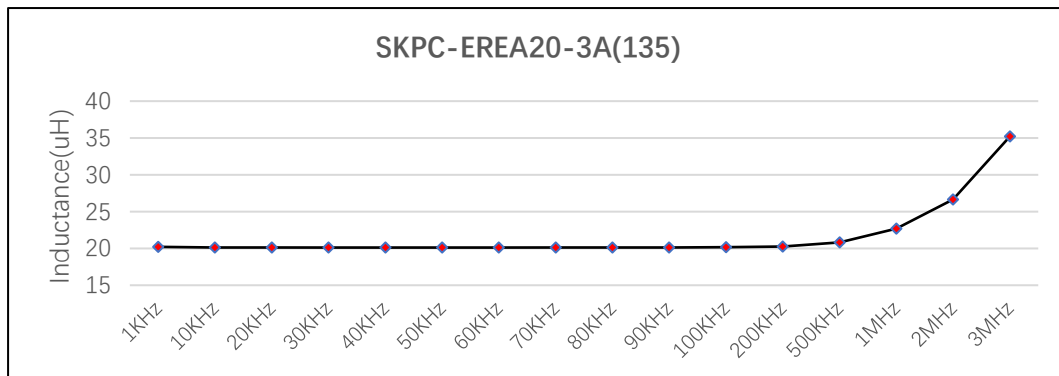


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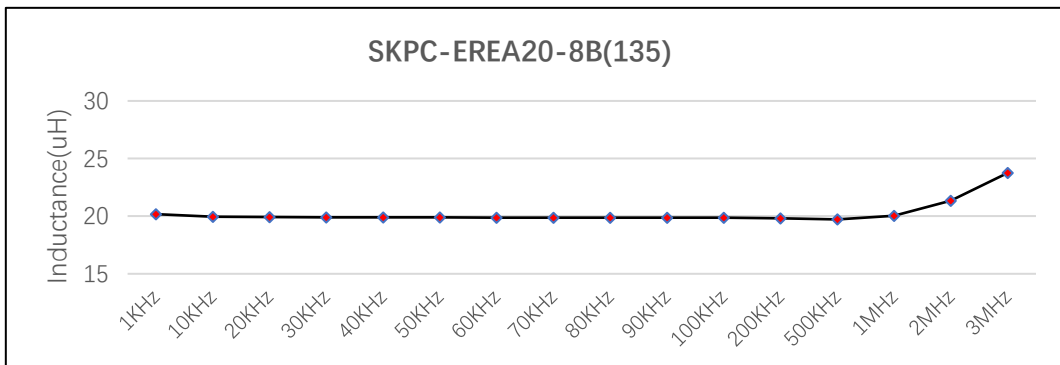
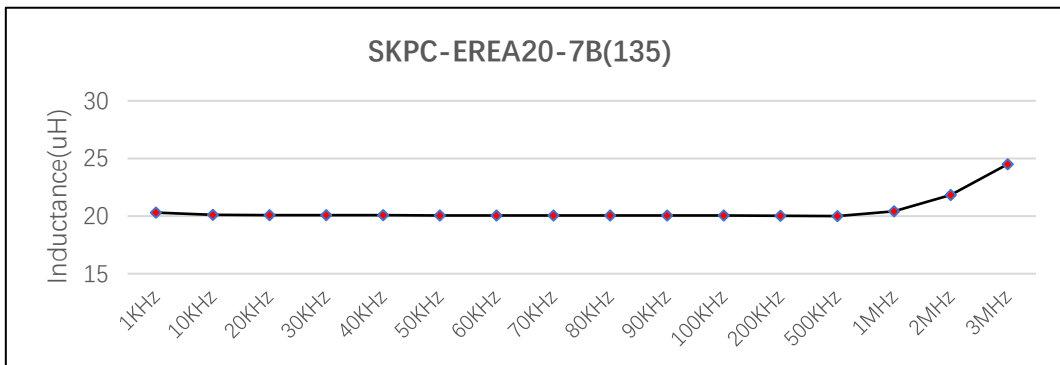
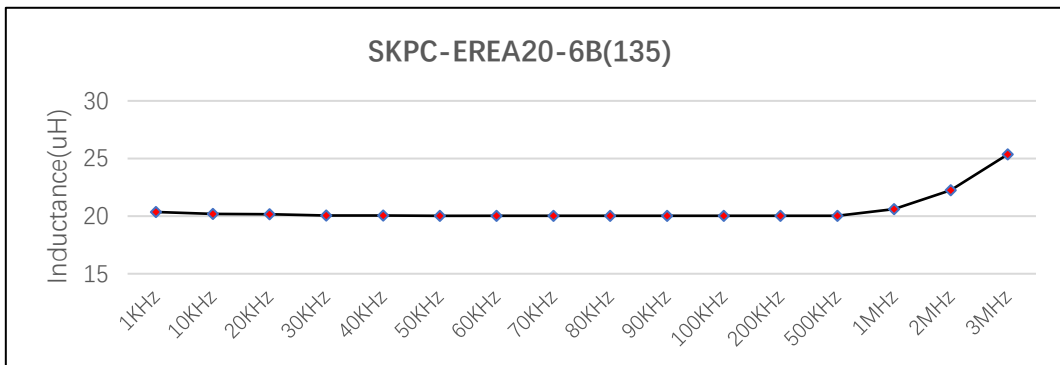
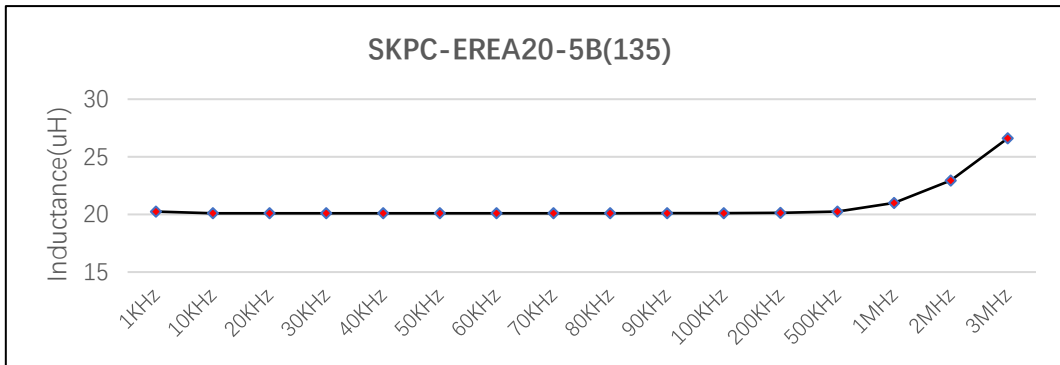


Model.	Type	Description of pins
SKPC-EREA20-3A(135)	A	PIN1+PIN4
SKPC-EREA20-4A(135)	A	PIN1+PIN5
SKPC-EREA20-5B(135)	B	PIN2+PIN7
SKPC-EREA20-6B(135)	B	PIN2+PIN8
SKPC-EREA20-7B(135)	B	PIN1+PIN8
SKPC-EREA20-8B(135)	B	PIN1+PIN9
SKPC-EREA20-9B(135)	B	PIN1+PIN8
SKPC-EREA20-10B(135)	B	PIN1+PIN9
SKPC-EREA20-11B(135)	B	PIN1+PIN8
SKPC-EREA20-12B(135)	B	PIN1+PIN9
SKPC-EREA20-13B(135)	B	PIN1+PIN8

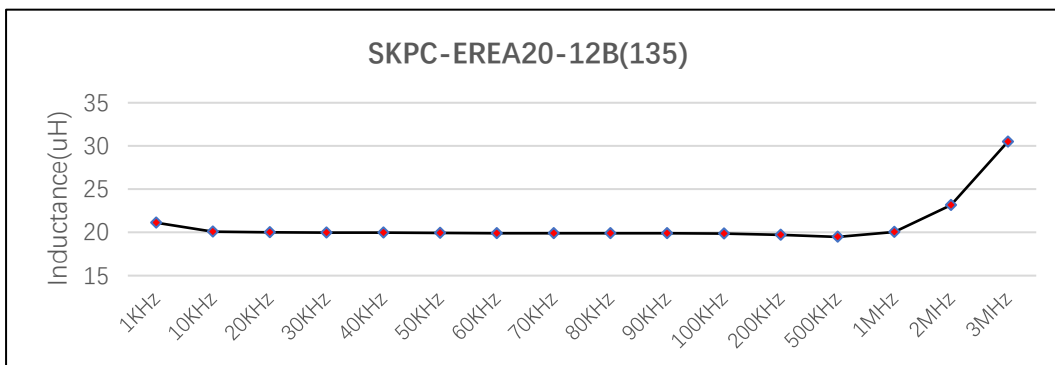
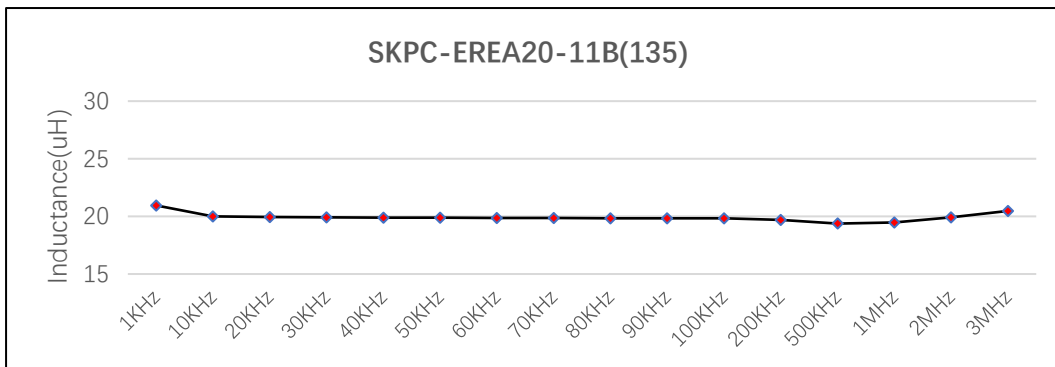
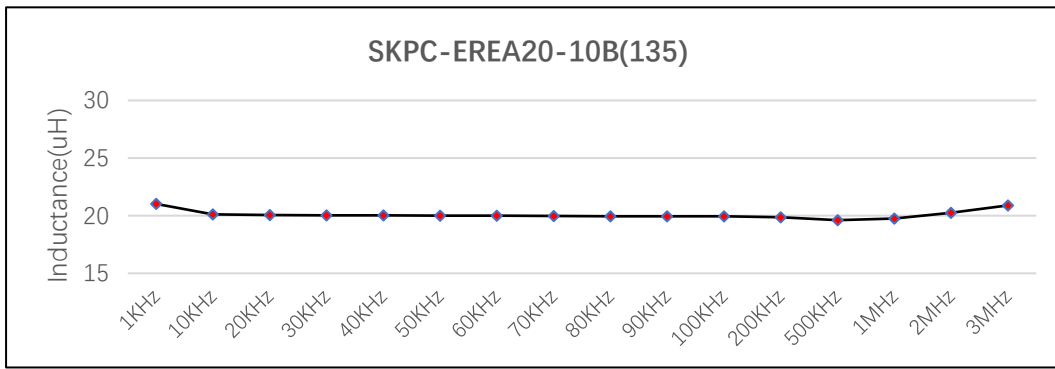
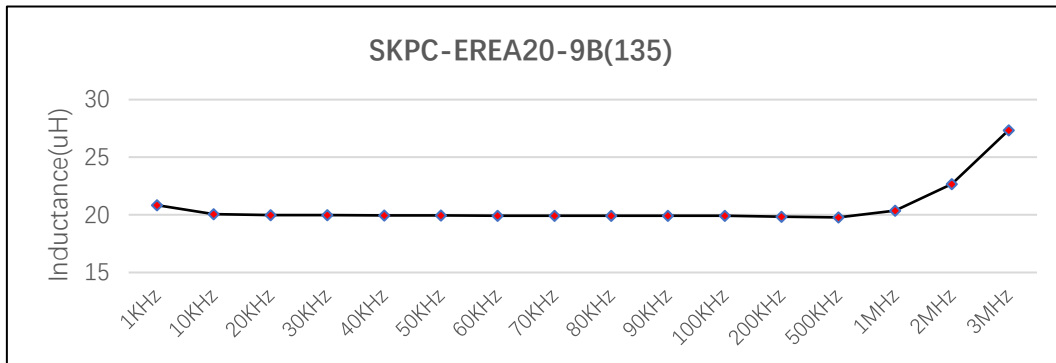
## L(uH) vs Frequency(KHz)



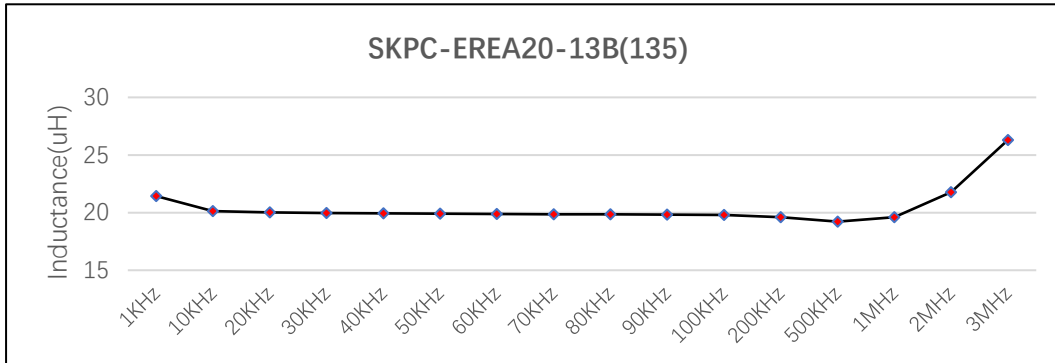
# Inductor



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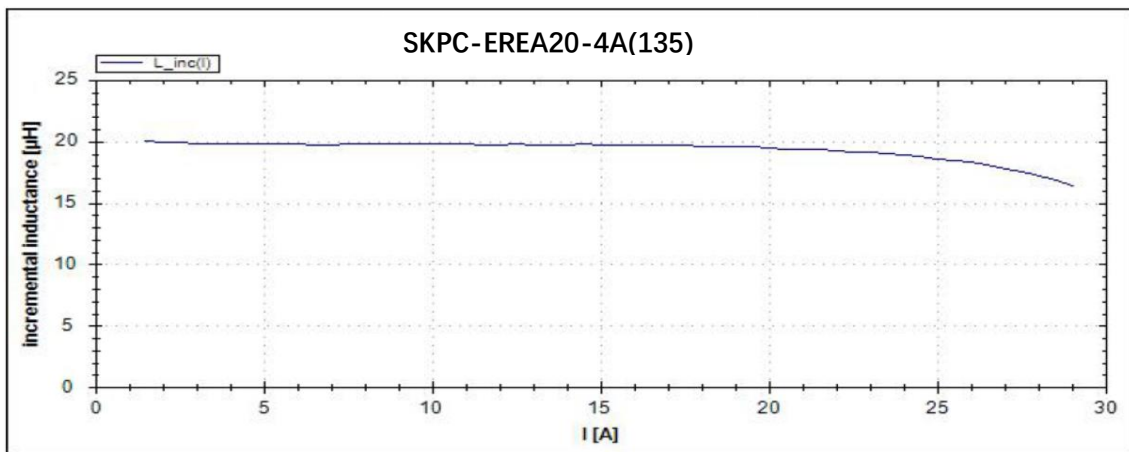
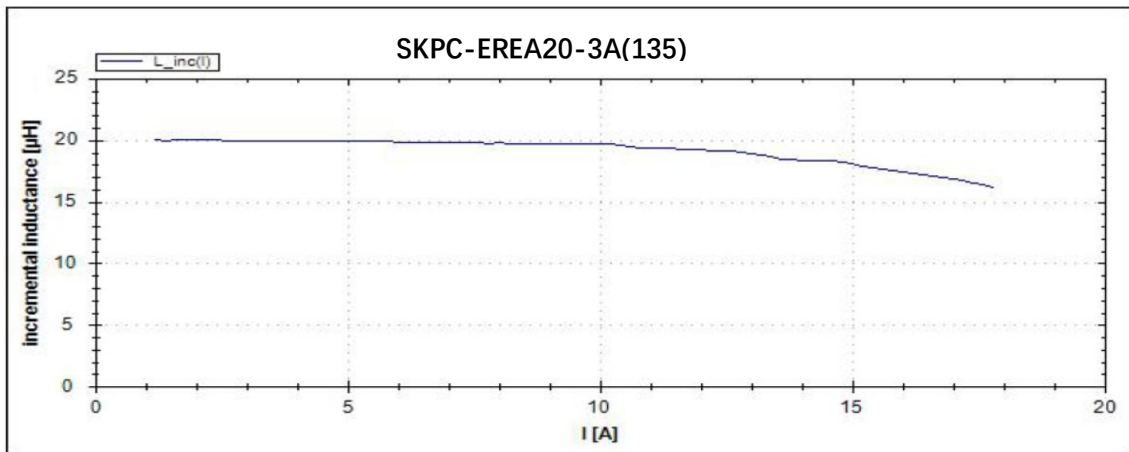


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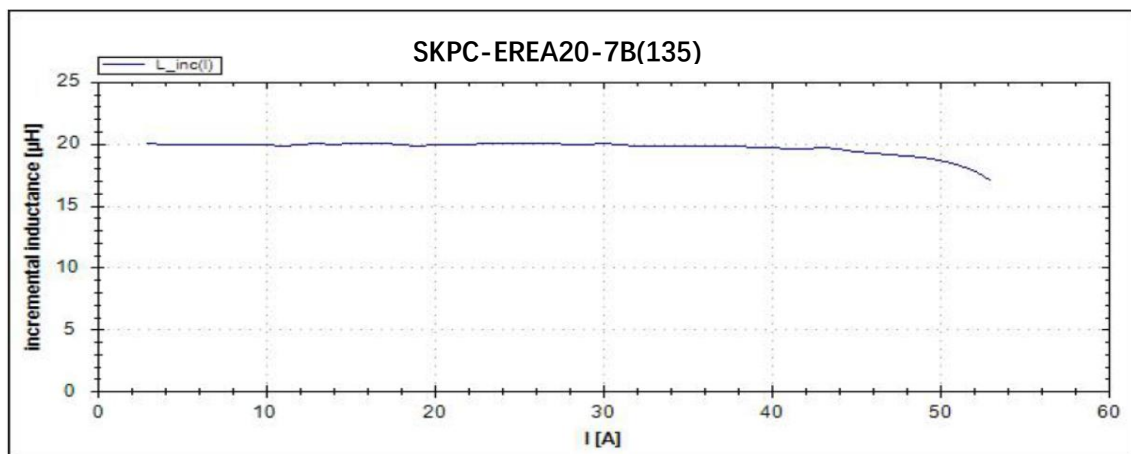
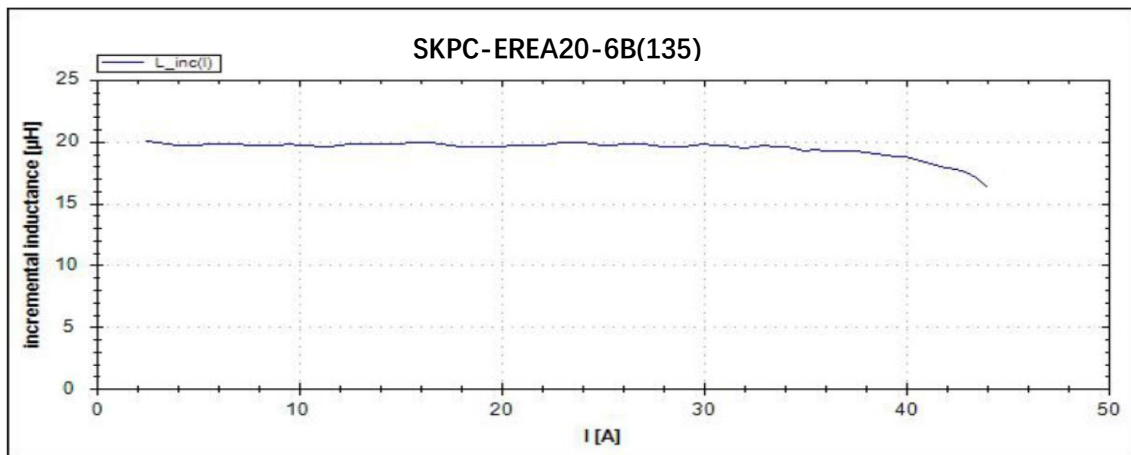
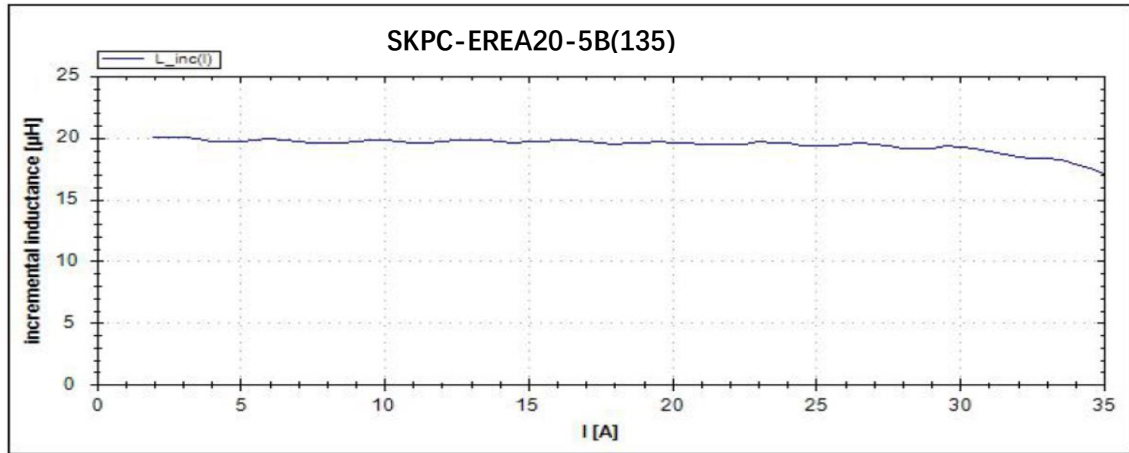


Note: This data is based on the WK-3260B.

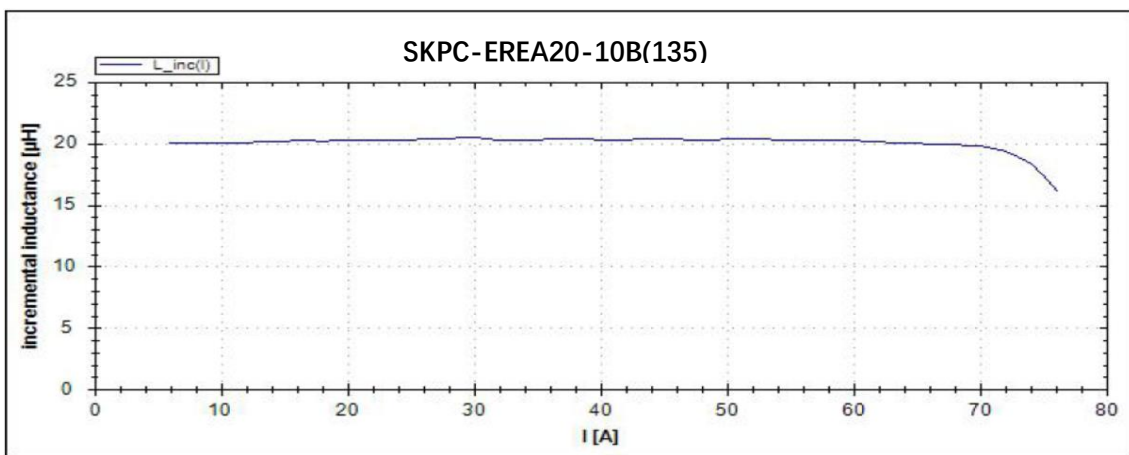
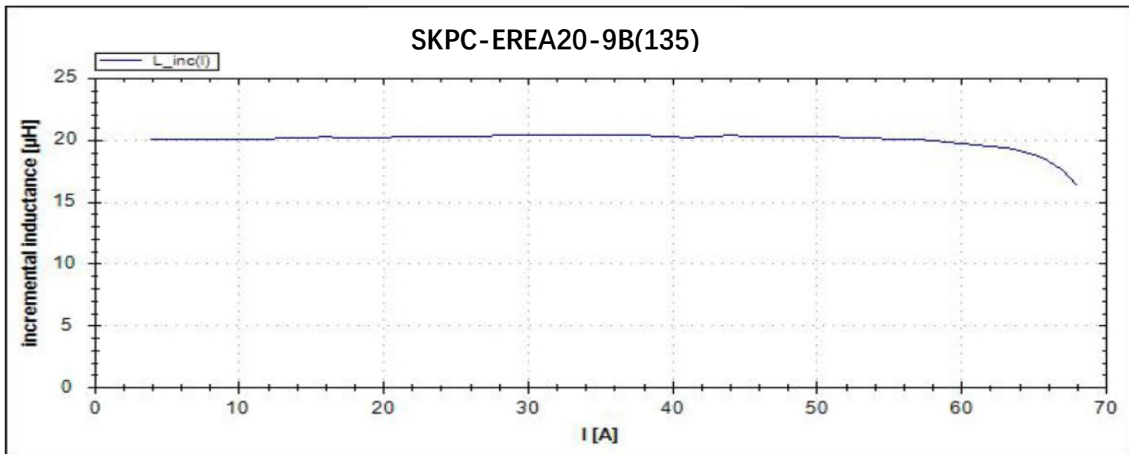
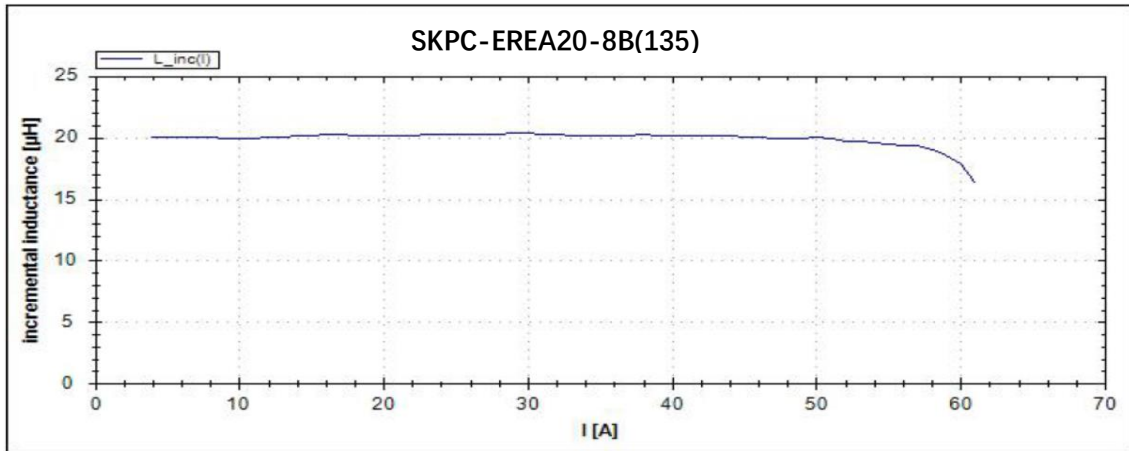
## L(uH) vs Current(A)



# Inductor

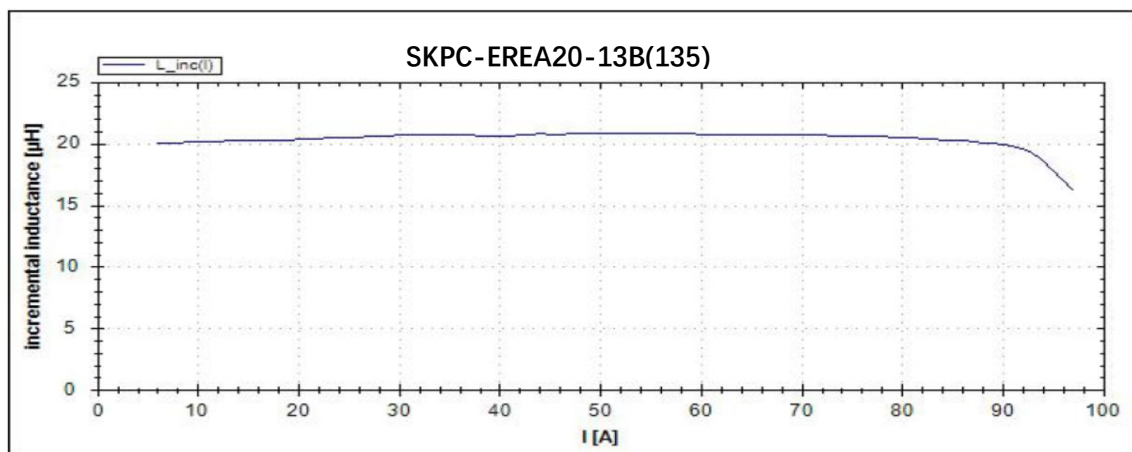
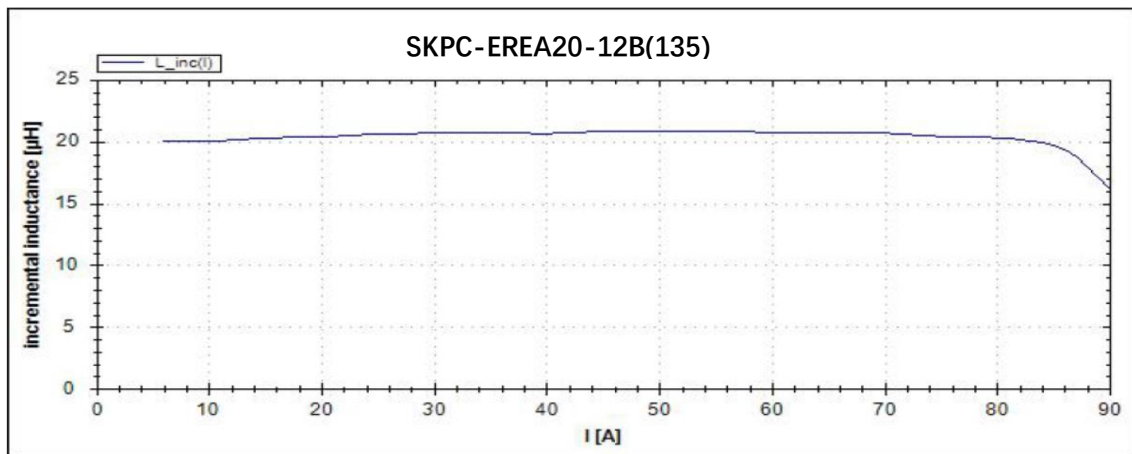
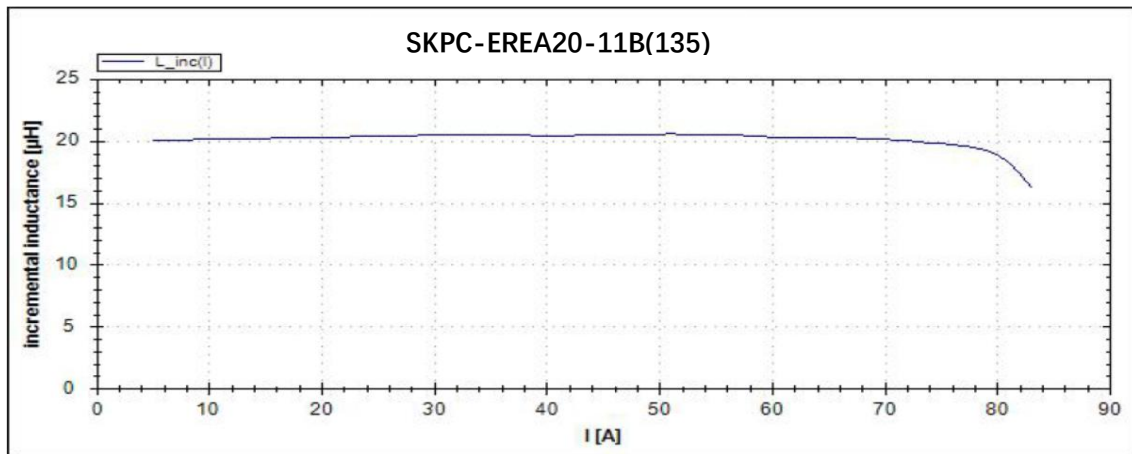


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Note: This data is based on the DPG10 Power Choke Tester.