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:

SERIES : SKPC-ERFD10-XXX	
Test Conditions:	**25℃ 10KHz 1V**
Inductance :	**10μH±5% (No Current)**
Dimensions(L*W*H):	**90*65*26mm**
Pins and Connection	**2*Terminals**
Hi-Pot(Wire to Core)	**1KV/3KV/5KV DC①**

Model	Type	DCR Max 20℃	Isat L drops 20% (Max)	Irms Temperature Rise 40°C (Max.) ②	Weight (Max)
SKPC-ERFD10-2A(135)	A	1.6mΩ	37A	24A	330g
SKPC-ERFD10-3B(135)	B	0.8mΩ	69A	63A	402g
SKPC-ERFD10-4B(135)	B	0.8mΩ	97A	84A	473g
SKPC-ERFD10-5C(135)	C	1.0mΩ	126A	60A	565g
SKPC-ERFD10-6C(135)	C	1.5mΩ	155A	48A	555g
SKPC-ERFD10-7C(135)	C	2.2mΩ	186A	36A	524g

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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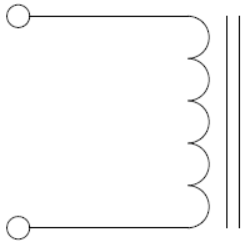
Material List

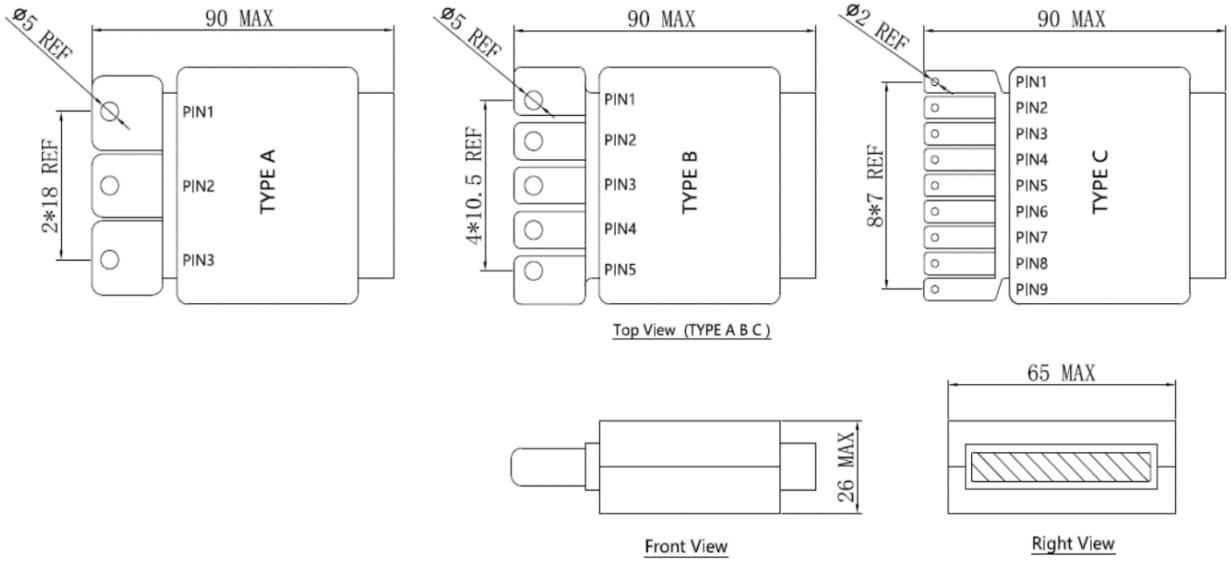
No.	Item	Material Description
1	Core	Ferrite
2	Wire	Copper
3	Solder (Lead Free)	SnAg3%Cu
4	Insulation	Polyimide+Polyamide-imide Resin

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

Schematic Diagram

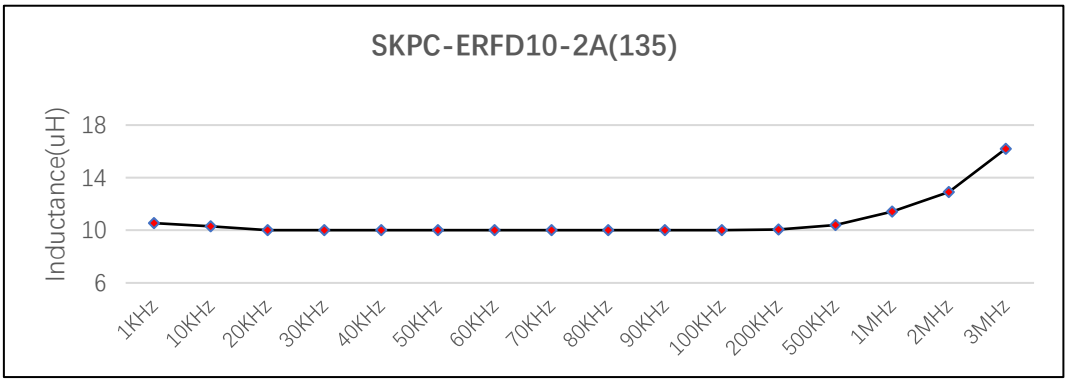


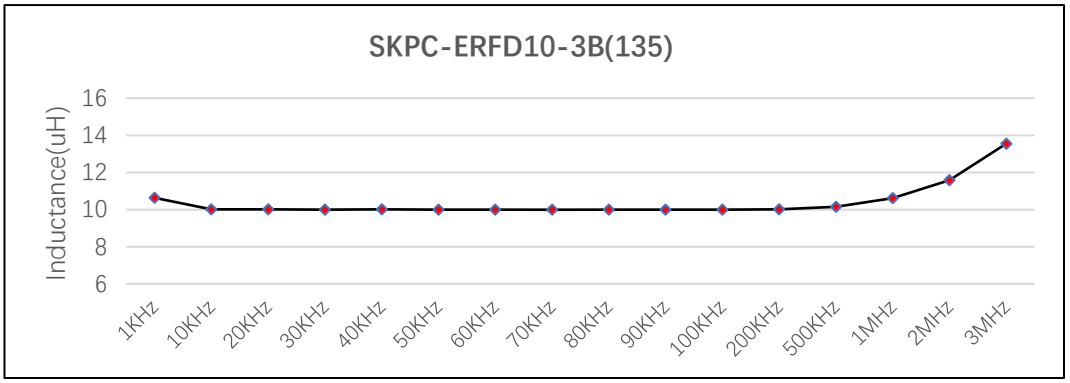
Configurations and Dimensions（mm）

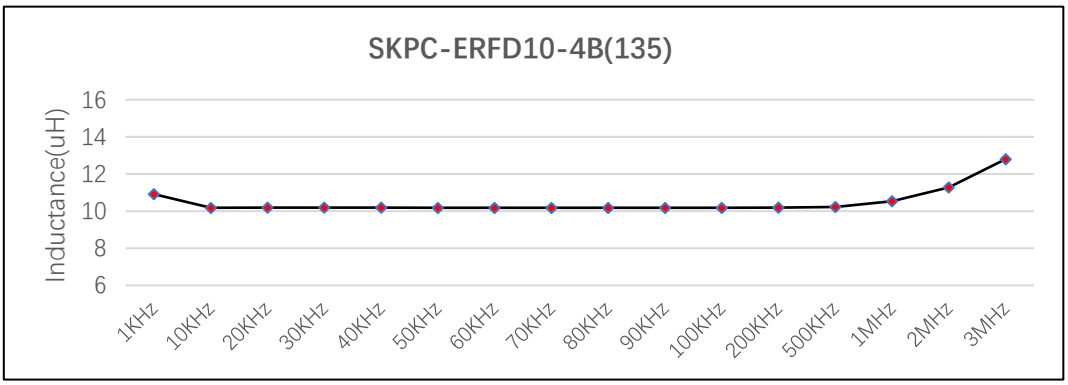


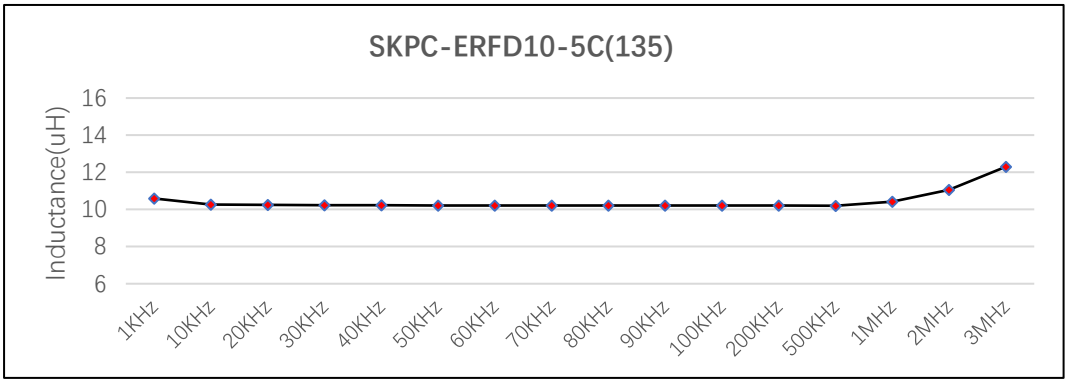
Model.	Type	Description of pins
SKPC-ERFD10-2A(135)	A	PIN1+PIN3
SKPC-ERFD10-3B(135)	B	PIN1+PIN4
SKPC-ERFD10-4B(135)	B	PIN1+PIN5
SKPC-ERFD10-5C(135)	C	PIN2+PIN7
SKPC-ERFD10-6C(135)	C	PIN2+PIN8
SKPC-ERFD10-7C(135)	C	PIN1+PIN8

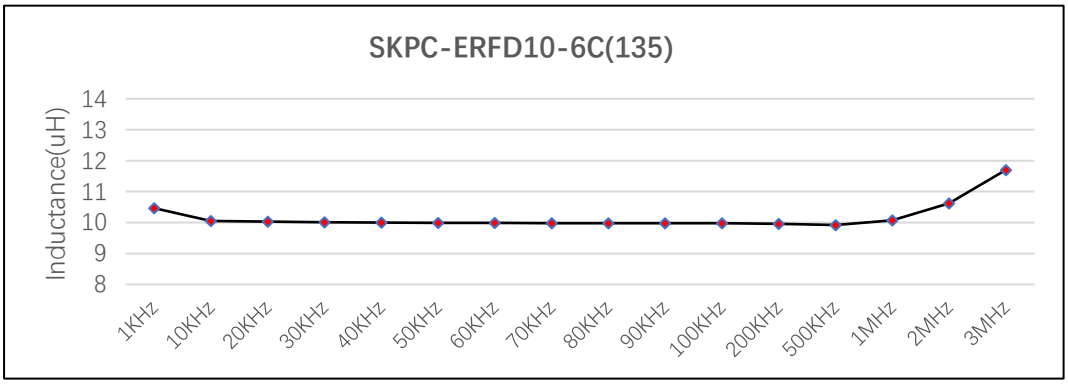
L(uH) vs Frequency(KHz)

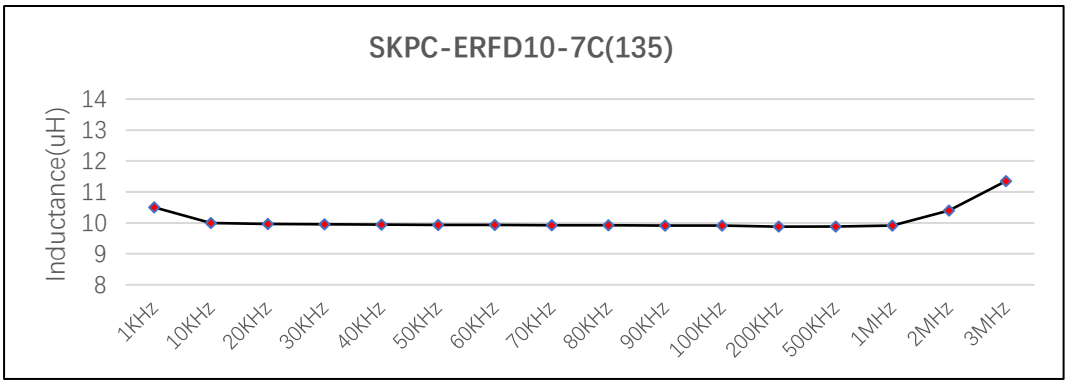












Note: This data is based on the WK-3260B.

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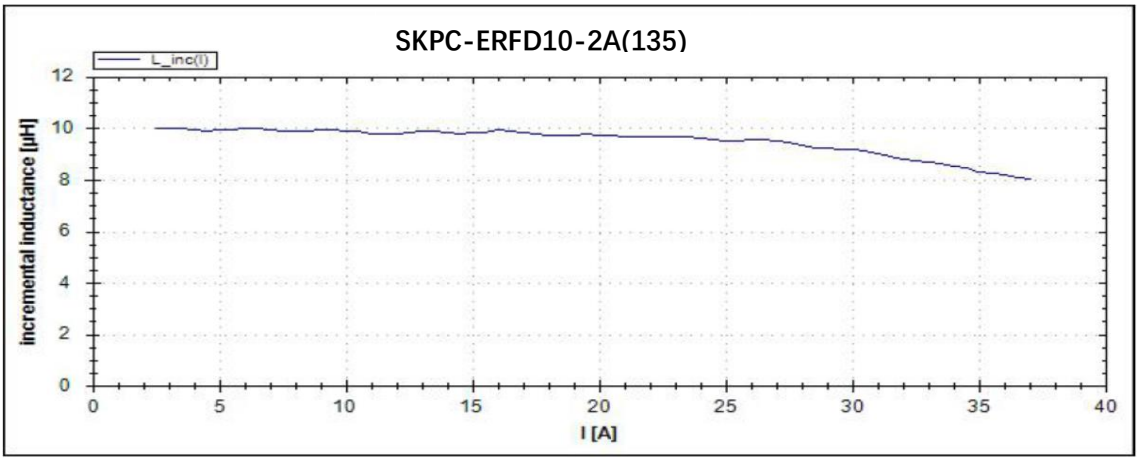
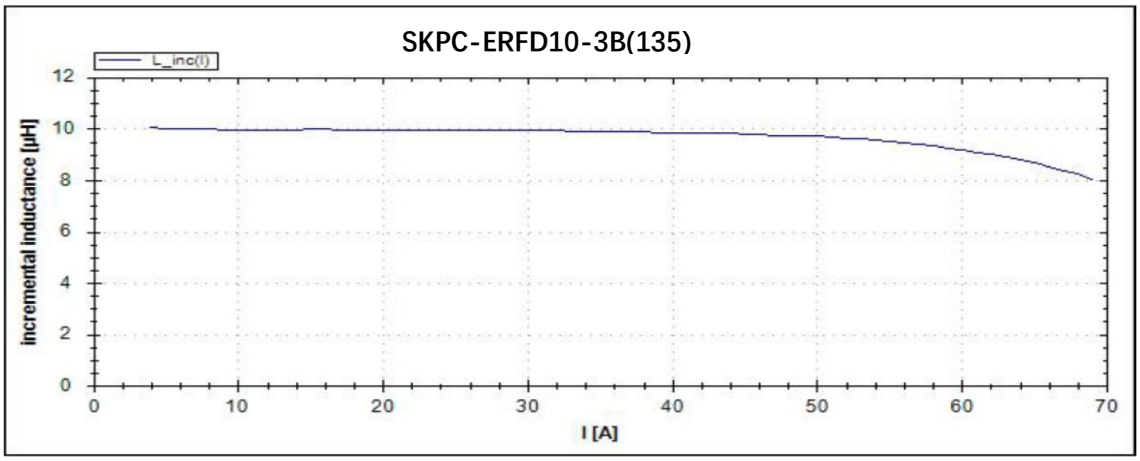
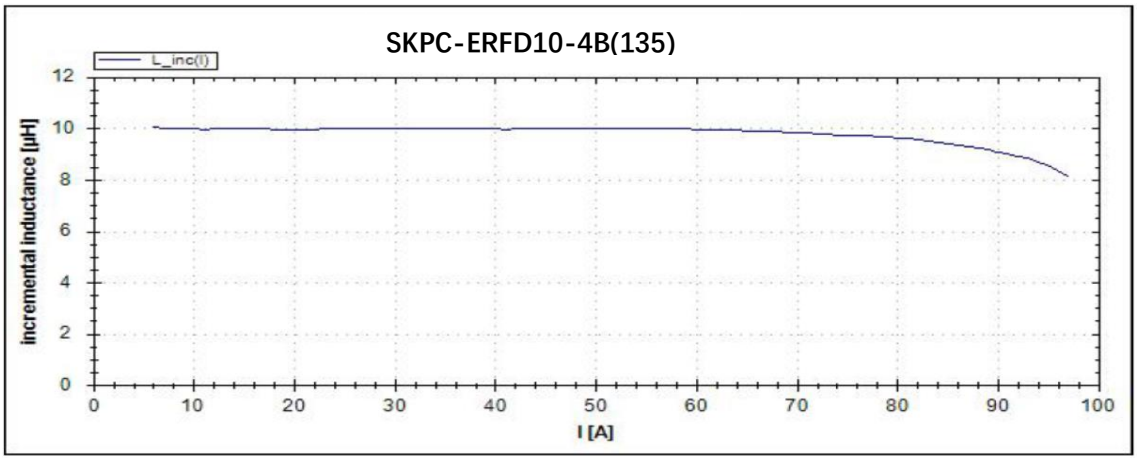
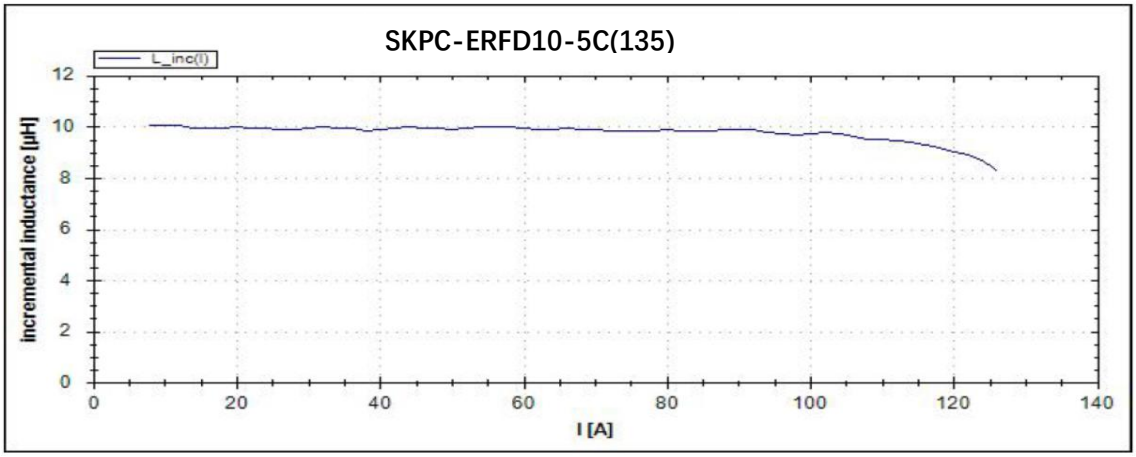
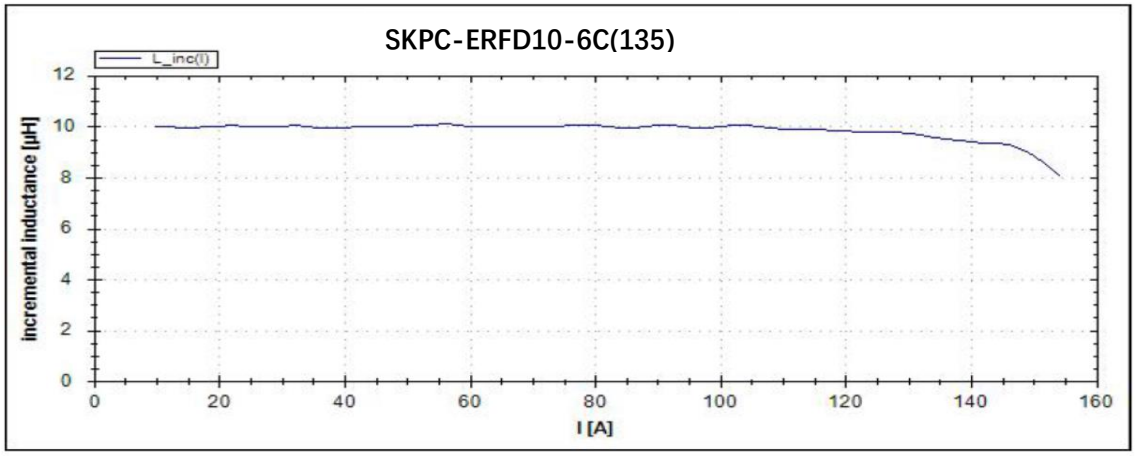
L(uH) vs Current(A)

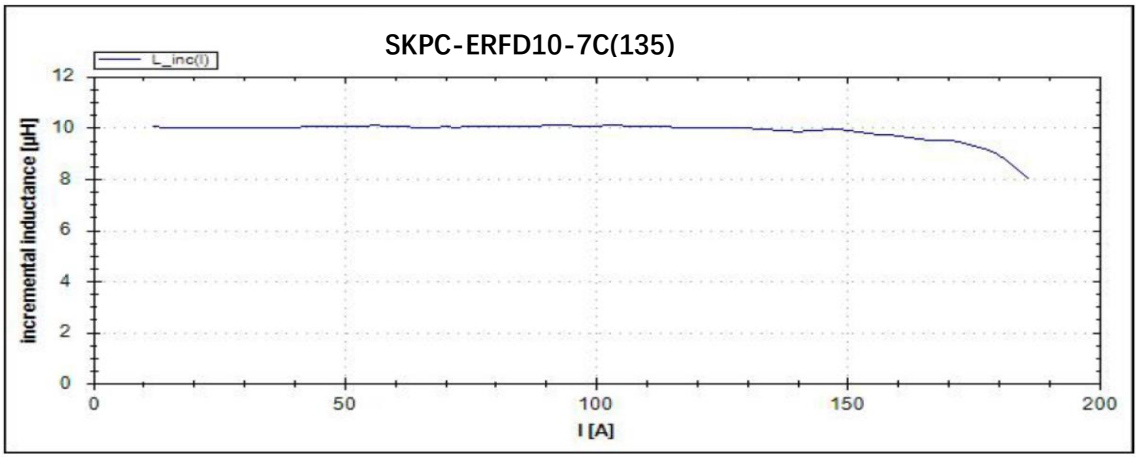












Note: This data is based on the DPG10 Power Choke Tester.