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# Smart Ring Charging Case FPC Coil Hardware Specification Manual

编    制：

审    核：

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密    级：☒Public☐内部 Public☐Confidential

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## FPC Parameters

This flexible FPC is specially designed for use as a coil in the Smart Ring Charging Case project.

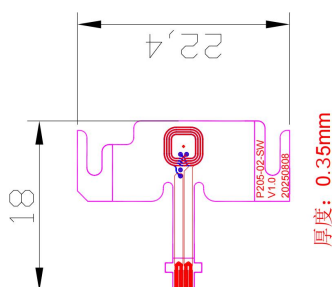
Board Name Hardware	FPC
Inductance	1.9uH $\pm 10\%$
DC Resistance (DCR)	1.1 $\Omega$ $\pm 20\%$
Q 值	0.1
Test Conditions	10kHz/0.3V
Turns	16T

## Operating Environmental Parameters

Item	Specification				Notes
	Min	Typical	Max	unit	
working temperature	-40		+85	℃	Ambient temperature range in which the coil can operate normally
Storage Temperature	-25		+125	℃	The ambient temperature range in which the coil can be stored safely when not powered

## Mechanical Dimensions of the Board

FPC length  $\times$  width  $\times$  height dimensions: 22.4mm $\times$ 18mm $\times$ 0.35mm



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Document Revision Record

Date	Version	Modify main content	prepared by	Reviewed by	Approved by
2025-9-1	1.0	Initial Release			Shenzhen Shufang Innovation Technology Co., Ltd.