
Smart Ring Charging Case FPC Coil

Hardware Specification Manual

编 制:

审 核:

批 准: Shenzhen Shufang Innovation Technology Co., Ltd.

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.

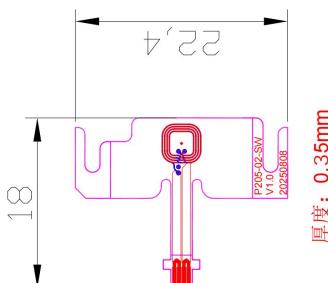
Board Name	FPC
Hardware	
Inductance	1.9uH $\pm 10\%$
DC Resistance (DCR)	1.1Ω $\pm 20\%$
Q 值	0.1
Test Conditions	10kHz/0.3V
Turns	16T

Operating Environmental Parameters

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

Mechanical Dimensions of the Board

FPC length × width × height dimensions: 22.4mm×18mm×0.35mm



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.