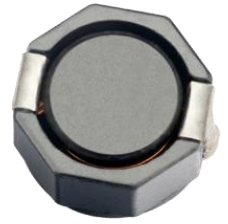


MAGNETIC SHIELDED POWER CHIP INDUCTOR

屏蔽式功率电感



PSPF Series



深圳嘉嵘伟业电子有限公司

SHENZHEN JIARONG WEIYE ELECTRONICS CO., LTD.

Tel: 0755-2917 5978

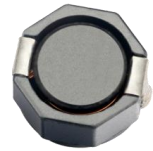
FAE: 133 7842 9168

Website: [www.ransioning.com](http://www.ransioning.com)

E-mail: [admin@ransioning.com](mailto:admin@ransioning.com)

# Magnetic Shielded Power Chip Inductor-PSPF Series

## 屏蔽式功率电感-PSPF 系列



### INTRODUCTION AND CHARACTERISTICS 产品介绍及特性

#### INTRODUCTION

◆ These revolutionary, highly reliable wire wound power chip inductors for automatic mounting have been developed in response to the trend toward high density in electronic equipment. The basic function of wire wound chip inductors is filtering, oscillation, delay, trap, etc. Its magnetic shielded type is suitable for high-density mounting and flat bottom surface allows for reliable mounting onto the board.

#### 产品介绍

◆ 为了适应电子设备渐趋高密度的集成方式，我们开发了高可靠性的绕线功率电感。绕线电感基本作用是滤波、振荡、延迟、陷波等。良好的焊接性和磁屏蔽特性使其适合高密度表面安装。

#### CHARACTERISTICS

- ◆ Various high power inductors are superior to be high saturation
- ◆ Excellent solderability and high heat resistance for reflow soldering or wave soldering
- ◆ Various high power surface mountable type inductors are superior to high saturation
- ◆ No cross coupling due to magnetic shield

#### 特性

- ◆ 大功率，高饱和电流，低阻抗
- ◆ 良好的焊接性，适合于回流焊或波峰焊
- ◆ 多种尺寸适合表面高密度贴装
- ◆ 良好的磁屏蔽，无交叉耦合

#### APPLICATIONS

- ◆ LCD television
- ◆ Power supply choke for small electrical equipments such as VTR, LCD display, Notebook, communication equipment, and so on

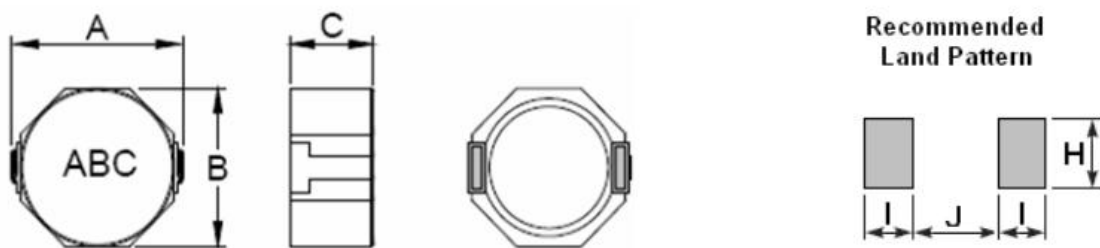
#### 应用产品

- ◆ LCD 电视
- ◆ 录像机、液晶显示器、笔记本电脑、通讯、设备、办公自动化等电子设备的电源扼流

**PRODUCT IDENTIFICATION 产品型号**

**PSPF 8D28 F 2R2 N T**  
 ① ② ③ ④ ⑤ ⑥

①Product Series Code 产品系列码	PSPF	Magnetic Shielded Power Chip Inductor-F Type Base 屏蔽式功率电感-F 型结构
②External Dimensions 外形尺寸	--	8D28~8D43
③Material Code 材质代号	F	材质代号
④Inductance Value Code 感量值	2R2	2.2uH
	330	33uH
⑤Inductance Tolerance 电感值公差	M	±20%
	N	±30%
⑥Packing 包装形式	T	Tape and Reel 编带

**SHAPE AND DIMENSIONS 外观尺寸**
**RECOMMENDED LAND PATTERN 推荐的焊盘尺寸**


Unit:mm

TYPE	A max.	B max.	C max.	I typ.	J typ.	H typ.
PSPF8D28	10.3	8.3	3.0	2.0	6.1	2.8
PSPF8D38	10.3	8.3	4.0	2.0	6.1	2.8
PSPF8D43	10.3	8.3	4.5	2.0	6.1	2.8

**SPECIFICATIONS 规格特性**
**PSPF 8D28 TYPE**

Part Number 型号	Inductance 电感量 L	L Test Condition L 测试频率	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir
Units 单位	uH	KHz/V	Ω	mA
PSPF8D28F2R5NT	2.5	100/0.3	16	4500
PSPF8D28F3R3NT	3.3	100/0.3	18	4000
PSPF8D28F4R7NT	4.7	100/0.3	25	3400
PSPF8D28F6R8NT	6.8	100/0.3	30	3000
PSPF8D28F8R2NT	8.2	100/0.3	38	2750
PSPF8D28F100MT	10	1/0.3	47	2500
PSPF8D28F150MT	15	1/0.3	69	1900
PSPF8D28F220MT	22	1/0.3	99	1600
PSPF8D28F330MT	33	1/0.3	156	1300
PSPF8D28F470MT	47	1/0.3	195	1150
PSPF8D28F680MT	68	1/0.3	286	920
PSPF8D28F820MT	82	1/0.3	375	830
PSPF8D28F101MT	100	1/0.3	430	750

**PSPF 8D38 TYPE**

Part Number 型号	Inductance 电感量 L	L Test Condition L 测试频率	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir
Units 单位	uH	KHz/V	Ω	mA
PSPF8D38F1R5NT	1.5	100/0.3	19	6000
PSPF8D38F2R2NT	2.2	100/0.3	21	5500
PSPF8D38F3R3NT	3.3	100/0.3	24	5000
PSPF8D38F4R7NT	4.7	100/0.3	29	4400
PSPF8D38F6R8NT	6.8	100/0.3	38	3600
PSPF8D38F8R2NT	8.2	100/0.3	43	3300
PSPF8D38F100MT	10	1/0.3	48	3000
PSPF8D38F150MT	15	1/0.3	67	2500
PSPF8D38F220MT	22	1/0.3	105	2000
PSPF8D38F330MT	33	1/0.3	157	1600
PSPF8D38F470MT	47	1/0.3	189	1420
PSPF8D38F680MT	68	1/0.3	290	1050
PSPF8D38F820MT	82	1/0.3	372	950
PSPF8D38F101MT	100	1/0.3	410	880

**SPECIFICATIONS 规格特性**
**PSPF8D43 TYPE**

Part Number 型号	Inductance 电感量 L	L Test Condition L 测试频率	DC Resistance 直流电阻 RDC	Rated Current 额定电流 Ir
Units 单位	uH	KHz/V	Ω	mA
PSPF8D43F2R0NT	2.0	100/0.3	14	5500
PSPF8D43F2R2NT	2.2	100/0.3	16	5000
PSPF8D43F3R3NT	3.3	100/0.3	19	4500
PSPF8D43F4R7NT	4.7	100/0.3	22	4100
PSPF8D43F6R8NT	6.8	100/0.3	25	3900
PSPF8D43F8R2NT	8.2	100/0.3	30	3500
PSPF8D43F100MT	10	1/0.3	36	3200
PSPF8D43F150MT	15	1/0.3	53	2300
PSPF8D43F220MT	22	1/0.3	75	1800
PSPF8D43F330MT	33	1/0.3	125	1400
PSPF8D43F470MT	47	1/0.3	150	1300
PSPF8D43F680MT	68	1/0.3	240	1000
PSPF8D43F820MT	82	1/0.3	300	900
PSPF8D43F101MT	100	1/0.3	360	800

※1. All test data is referenced to 20°C ambient;

※2. The maximum rated current is a DC current which causes initial inductance to decrease by 35% or temperature to rise by 40°C, which is smaller(at ambient reference temperature: 20°C