

规格确认书

SPECIFICATION

客 户

CUSTOMER: _____

客 户 料 号

CUSTOMER P/N: _____

物 料 名 称

共模滤波器(功率型)

MODEL NO :

Common Mode Choke Coil(For power line)

料 号

RPCF 系列

P/N :

RPCF series

文 件 编 号

FILE NO :

23-07

日期 : 2023-07-06

承办人 : 刘俊

DATE : July 06, 2023

ISSUEDER : Liu Jun

客户确认 APPROVED BY

签名 :

日期 :

SIGN :

DATE :

结论 RESULT :

确认后请回传 PLEASE RETURN BY ONE COPY

●特征

适用于大电流应用的芯片共模滤波器。

对高频信号共模噪声有良好的抑制作用。

与高密度便携式设备兼容，由于高度降低，这些设备可以被做得更小更轻。

良好的焊接性能。

工作温度范围-40°C 至+125°C

●用途

LED 灯、电视游戏机、显示器等。

各种电子设备的电源线噪声对策。

●品名系统

RPCF	7060	F	-	701	T
①	②	③		④	⑤

① 产品代号: 功率型共模扼流器。

② 尺寸规格: 4520=4.7x4.5x2.2(mm)

7060=7.0x6.0x3.8(mm)

9070=9.0x7.0x4.8(mm)

1211=12.0x10.8x6.4(mm)

1513=15.0x13.0x6.6(mm)

③ 材质: 标准是 F ; 或者 M.

④ 阻抗 701=700Ω

⑤ 包装 : T=卷带包装。

●FEATURES

Chip common mode filter for large current applications.

Prevention of common mode noise at high frequency.

Compatible with high-density portable devices, which are always being made smaller and lighter, because the height has been reduced.

Excellent solderability.

Operating temperature range -40°C to +125°C

●Applications

LED Light, TV game, Monitor, etc.

Power line noise countermeasure for various electronic equipment.

●Product Identification

RPCF	7060	F	-	701	T
①	②	③		④	⑤

① Product symbol : Common Mode Choke Coil for power line.

② Dimension: 4520=4.7x4.5x2.2(mm)

7060=7.0x6.0x3.8(mm)

9070=9.0x7.0x4.8(mm)

1211=12.0x10.8x6.4(mm)

1513=15.0x13.0x6.6(mm)

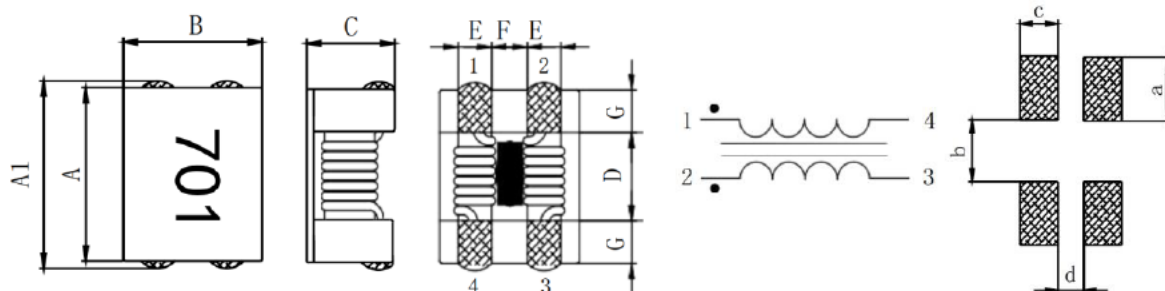
③ Material : The standard is F. Else M.

④ Impedance: 701=700Ω.

⑤ Packing: T=Tape & Reel.

●结构及尺寸

●Structure And Dimension



Unit:mm

TYPE	A	A1	B	C	D	E	F	G	a	b	c	d
	±0.5	±0.6	±0.5	Max	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
4520	4.7	5.2	4.5	2.2	2.7	0.8	1.25	1.00	1.45	2.20	1.20	1.05
7060	7.0	7.5	6.0	4.0	3.5	1.5	1.50	1.70	3.00	2.90	1.90	1.30
9070	9.0	9.5	7.0	5.0	5.7	1.5	2.00	1.70	3.00	5.00	2.00	1.80
1211	12.0	12.5	10.8	6.6	7.0	2.7	2.50	2.50	3.90	6.10	3.10	2.30
1513	15.0	15.5	13.0	6.3	9.0	2.7	3.80	3.00	4.20	8.20	3.10	3.20

●规格

●Specifications

RPCF4520 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz		直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Min	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z		DCR	IR	Vdc	Ir
RPCF4520F-900T	60	90	35	10	50	2
RPCF4520F-151T	90	150	40	10	50	1.9
RPCF4520F-231T	180	230	45	10	50	1.8
RPCF4520F-301T	200	300	45	10	50	1.7
RPCF4520F-401T	300	400	50	10	50	1.6
RPCF4520F-421T	300	420	55	10	50	1.5
RPCF4520F-501T	350	500	57	10	50	1.4
RPCF4520F-701T	500	700	59	10	50	1.3
RPCF4520F-901T	650	900	68	10	50	1.3
RPCF4520F-102T	800	1000	68	10	50	1.3
RPCF4520F-122T	1000	1200	74	10	50	1.2
RPCF4520F-142T	1000	1400	80	10	50	1.2

RPCF7060 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz		直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Min	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z		DCR	IR	Vdc	Ir
RPCF7060F-400T	40	80	8	10	80	10
RPCF7060F-101T	100	140	10	10	80	9
RPCF7060F-301T	225	300	10	10	80	5
RPCF7060F-501T	275	450	10	10	80	5
RPCF7060F-601T	500	600	15	10	80	4
RPCF7060F-701T	500	700	15	10	80	4
RPCF7060F-102T	800	1020	17	10	80	3
RPCF7060F-132T	900	1300	21	10	80	2.5
RPCF7060F-222T	1700	2000	60	10	80	1.2
RPCF7060F-272T	2000	2700	63	10	80	1
RPCF7060F-302T	2200	3500	80	10	80	0.8

RPCF9070 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz		直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Min	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z		DCR	IR	Vdc	Ir
RPCF9070F-301T	225	300	6	10	80	6
RPCF9070F-501T	450	600	8	10	80	5.5
RPCF9070F-701T	500	700	10	10	80	5
RPCF9070F-102T	750	1000	13	10	80	4
RPCF9070F-222T	1700	2200	50	10	80	3
RPCF9070F-272T	2000	2700	80	10	80	2
RPCF9070F-302T	2500	3000	80	10	80	2

RPCF1211 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz		直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Min	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z		DCR	IR	Vdc	Ir
RPCF1211F-800T	80	230	2	10	125	10
RPCF1211F-301T	200	300	4	10	125	9
RPCF1211F-501T	300	500	5.5	10	125	8
RPCF1211F-701T	500	700	6	10	125	8
RPCF1211F-801T	600	800	8	10	125	8
RPCF1211F-102T	750	1000	14	10	125	6
RPCF1211F-222T	2200	2500	35	10	125	1.8
RPCF1211F-272T	2300	2700	50	10	125	1.5

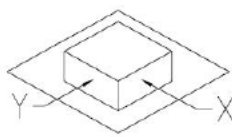
RPCF1513 系列(TYPE)

型号 Part Number	共模阻抗 Impedance @100MHz		直流电阻 Max.DC Resistance	绝缘电阻 Min.Insulation Resistance	额定电压 Rated Voltage	额定电流 Max.Rated Current
单位Units	Min	Typ	mΩ	MΩ	Volts	A
符号Symbol	Z		DCR	IR	Vdc	Ir
RPCF1513F-301T	250	300	5	10	80	13
RPCF1513F-551T	450	550	6	10	80	10
RPCF1513F-601T	500	600	7	10	80	10
RPCF1513F-701T	500	700	7	10	80	10
RPCF1513F-102T	800	1000	12	10	80	10

(1)Rated Current Temp rise 40°C Typ

(2)Storage Temperture:-20°C up to +40°C 75% RH max

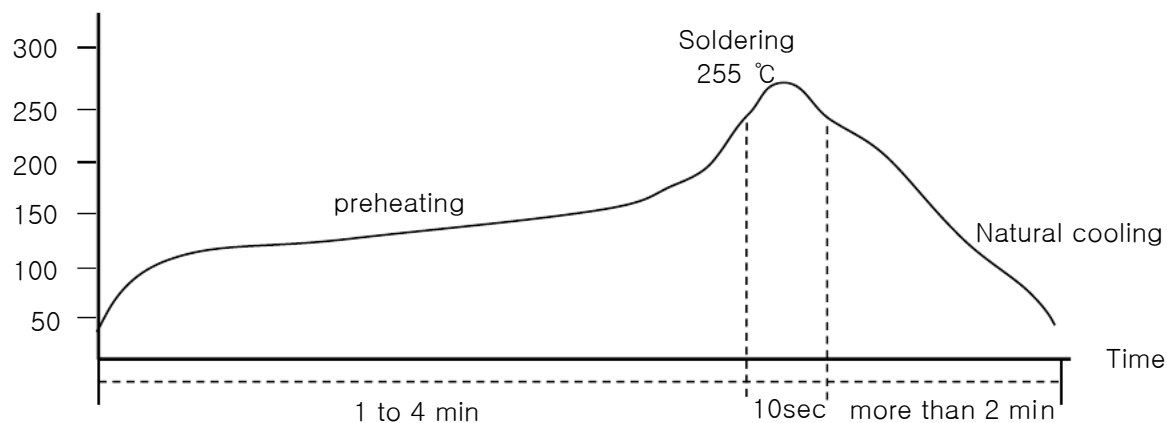
●可靠性测试/RELIABILITY TESTING

Operating Temperature	-40℃ to +125 ℃ (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off.(Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C(- 40~ + 125 ℃)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 ℃ and 1 hours drying under normal condition

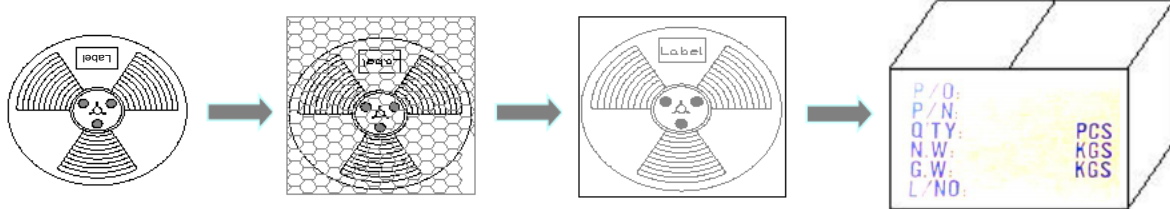
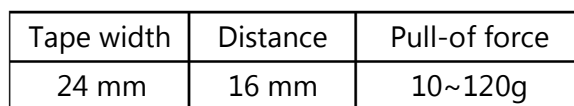
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal

IR Reflow profile

Temperature ℃



Temperature and humidity . After that , no mechanical and electrical defect should be found .



外箱，不足整箱用內盒或填充物裝滿

39:00