

绕线片式共模扼流器—SDCW-S 系列

Wire Wound Chip Common Mode Choke Coil – SDCW-S Series



工作温度
Operating Temp

- ◆ $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

特征
Features

- ◆ 对高频共模噪声有良好的抑制作用
- ◆ 对不同的噪声水平和信号频率, 有 $20\Omega \sim 1400\Omega$ 可供选择
- ◆ 良好的焊接性能
- ◆ Prevention of common mode noise at high frequency
- ◆ $20\Omega \sim 1400\Omega$ are optional for different noise level and signal frequency
- ◆ Excellent solderability

用途
Applications

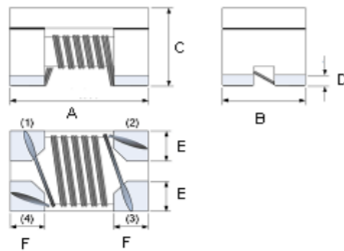
- ◆ IEEE1394、PC 机及周边设备、数字 AV 等其他设备的 USB2.0 接口
- ◆ 笔记本电脑、LCD 的 LVDS 线
- ◆ 音频线路
- ◆ USB2.0 of IEEE1394, PC, peripheral equipments, small digital AV equipments, etc.
- ◆ LVDS lines of Note PC, LCD
- ◆ Audio lines

产品型号
Product Identification

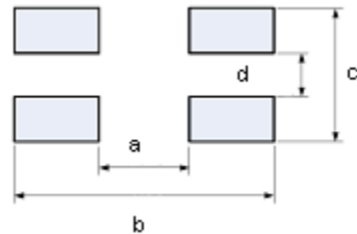
1	2	3	4	5	6	7
SDCW	1608	S	-2	-900	T	F

1	分类 Type	2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	3	类型 Code
SDCW	绕线式片式共模扼流器 Winding Type Common Mode Choke Coil	1210[0504]	1.2×1.0	S	标准 Standard
		1608[0603]	1.6×0.8	L	大电流 For larger current
4	引线数 Number of Lines	2520[1008]	2.5×2.0		
	2	3225[1210]	3.2×2.5		
5	阻抗 Impedance	4532[1812]	4.5×3.2	6	包装 Packing
Example	Nominal Value			T	编带 Tape & Reel
900	90Ω				
				7	无有害物质产品 Hazardous Substance Free Products
					F

外观尺寸
Shape and Dimensions



Recommended Land Pattern



Unit: mm

Series	A	B	C	D Max.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.	d Typ.
SDCW1210	1.2 ± 0.2	1.0 ± 0.2	0.8 ± 0.1	0.10	0.36	0.33	0.50	1.55	1.00	0.30
SDCW1608	1.6 ± 0.1	0.8 ± 0.1	1.1 ± 0.1	0.10	0.25	0.33	0.73	1.89	0.85	0.25
SDCW2520	2.5 ± 0.2	2.0 ± 0.2	1.2 ± 0.2	0.20	0.60	0.45	1.20	3.20	2.00	0.60
SDCW3225	3.2 ± 0.2	2.5 ± 0.2	1.8 ± 0.2	0.30	0.80	0.60	2.20	4.00	2.50	0.90
SDCW4532	4.5 ± 0.2	3.2 ± 0.2	2.8 ± 0.2	0.50	1.10	0.80	2.70	5.10	3.20	1.00

规格特性 Specifications

SDCW1210S TYPE

型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW1210S-2-200TF	20 ± 25%	0.15	500	20	10
SDCW1210S-2-350TF	35 ± 25%	0.18	430	20	10
SDCW1210S-2-600TF	60 ± 25%	0.30	400	20	10
SDCW1210S-2-900TF	90 ± 25%	0.30	400	20	10
SDCW1210S-2-121TF	120 ± 25%	0.40	260	20	10
SDCW1210S-2-161TF	160 ± 25%	0.40	260	20	10
SDCW1210S-2-201TF	200 ± 25%	0.40	250	20	10
SDCW1210S-2-361TF	360 ± 25%	0.55	250	20	10

SDCW1608S TYPE

型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW1608S-2-250TF	25 ± 25%	0.10	500	20	10
SDCW1608S-2-600TF	60 ± 25%	0.20	350	20	10
SDCW1608S-2-900TF	90 ± 25%	0.25	300	20	10
SDCW1608S-2-121TF	120 ± 25%	0.25	300	20	10
SDCW1608S-2-141TF	140 ± 25%	0.25	300	20	10
SDCW1608S-2-221TF	220 ± 25%	0.25	300	20	10

SDCW2520S TYPE

型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW2520S-2-301TF	300 ± 25%	0.25	400	50	10
SDCW2520S-2-451TF	450 ± 25%	0.30	350	50	10
SDCW2520S-2-601TF	600 ± 25%	0.38	330	50	10
SDCW2520S-2-102TF	1000 ± 25%	0.50	240	50	10

SDCW3225S TYPE

型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW3225S-2-800TF	80 ± 25%	0.12	640	50	10
SDCW3225S-2-161TF	160 ± 25%	0.15	480	50	10
SDCW3225S-2-271TF	270 ± 25%	0.25	450	50	10
SDCW3225S-2-102TF	1000 ± 25%	0.35	350	50	10
SDCW3225L-2-601TF	600 ± 25%	0.12	1000	50	10

SDCW4532S TYPE

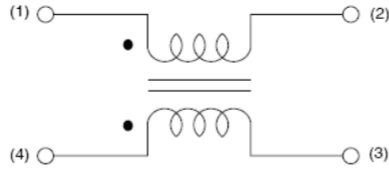
型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW4532S-2-331TF	330 ± 25%	0.11	1100	50	10
SDCW4532S-2-601TF	600 ± 25%	0.12	1000	50	10
SDCW4532S-2-801TF	800 ± 25%	0.16	900	50	10
SDCW4532S-2-102TF	1000 ± 25%	0.18	800	50	10
SDCW4532S-2-142TF	1400 ± 25%	0.20	700	50	10

※: 可根据客户需求提供其他电气特性产品。请联系您当地的销售人员。

※: Products with other Electrical Characteristics can be provided upon customer's request. Please contact your local sales.

等效电路

Equivalent
Circuit

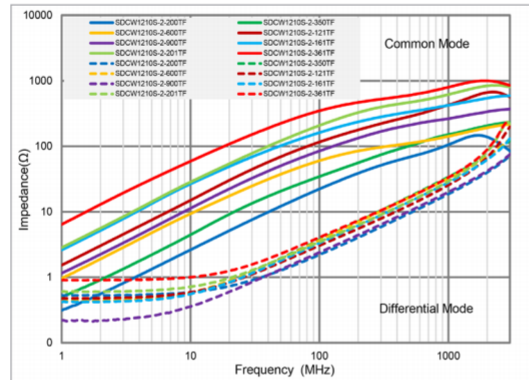


电气特性

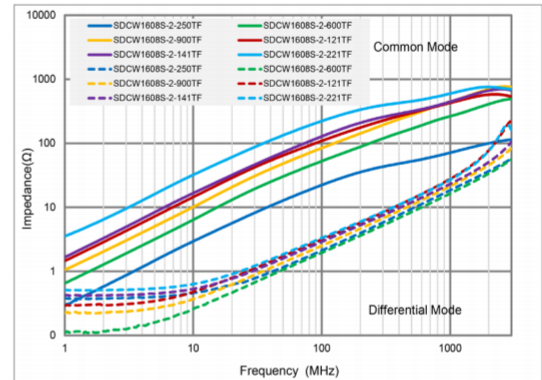
Typical
Electrical
Characteristics

Impedance vs. Frequency

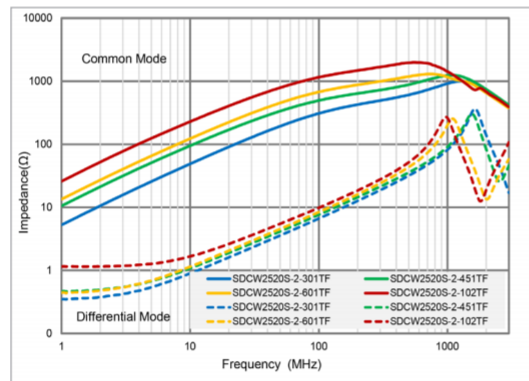
SDCW1210S TYPE



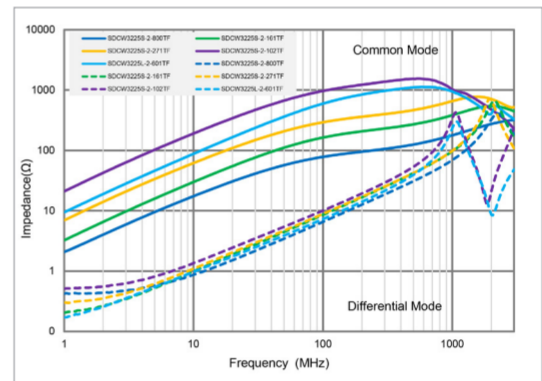
SDCW1608S TYPE



SDCW2520S TYPE



SDCW3225S TYPE



SDCW4532S TYPE

