

绕线片式共模扼流器—SDCW 系列

Wire Wound Chip Common Mode Choke Coil – SDCW Series



工作温度 Operating Temp

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

特征 Features

Features

- ◆ 绕线结构，小尺寸
- ◆ 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 $30\Omega \sim 2200\Omega$ 可供选择
- ◆ 良好的焊接性能
- ◆ Winding type realizes small size and low profile
- ◆ Prevention of common mode noise at high frequency
- ◆ $30\Omega \sim 2200\Omega$ are optional for different noise level and signal frequency
- ◆ Excellent solderability

用途 Applications

Applications

- ◆ 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 PC, peripheral equipments, small digital AV equipments, etc.
- ◆ LVDS lines of Note PC, LCD
- ◆ Audio lines

产品型号 Product Identification

Product Identification

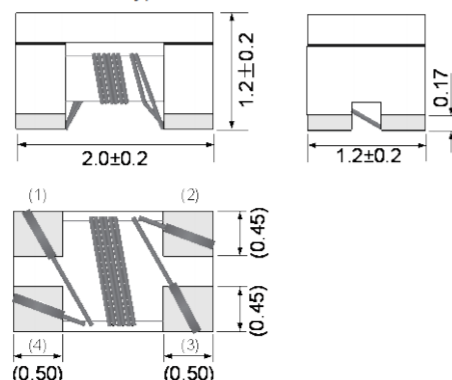
1	2	3	4	5	6	7
SDCW	2012	(L)	-2	-900	T	F

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	2012 [0805]	2.0×1.2	L	较大电流 Larger Current
		3216 [1206]	3.2×1.6		
4	引线数 Number of Lines	5	阻抗 Impedance	6	包装 Packing
2		Example	Nominal Value	T	编带 Tape & Reel
		900	90Ω		
		7	无有害物质产品 Hazardous Substance Free Products		
			F		

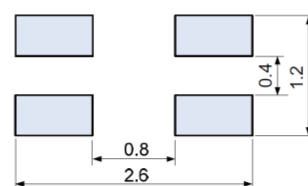
外观尺寸 Shape and Dimensions

Shape and Dimensions

SDCW2012 Type



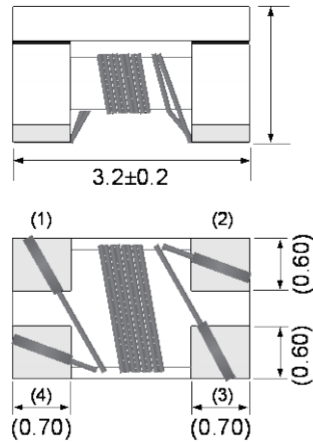
Recommended Land Pattern



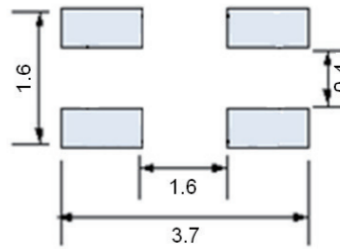
Unit: mm

外观尺寸 Shape and Dimensions

SDCW3216 Type



Recommended Land Pattern



Unit: mm

规格特性 Specifications

SDCW2012(L) TYPE

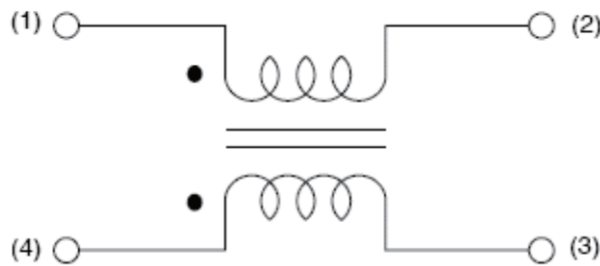
型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	M Ω
符号 Symbol	Z	DCR	I _r	V _{DC}	IR
SDCW2012-2-300TF	$30 \pm 25\%$	0.20	450	50	10
SDCW2012-2-670TF	$67 \pm 25\%$	0.25	400	50	10
SDCW2012-2-750TF	$75 \pm 25\%$	0.25	400	50	10
SDCW2012-2-900TF	$90 \pm 25\%$	0.35	330	50	10
SDCW2012-2-121TF	$120 \pm 25\%$	0.30	370	50	10
SDCW2012-2-181TF	$180 \pm 25\%$	0.35	330	50	10
SDCW2012-2-201TF	$200 \pm 25\%$	0.40	300	50	10
SDCW2012-2-221TF	$220 \pm 25\%$	0.40	300	50	10
SDCW2012-2-261TF	$260 \pm 25\%$	0.40	300	50	10
SDCW2012-2-361TF	$360 \pm 25\%$	0.45	280	50	10
SDCW2012-2-371TF	$370 \pm 25\%$	0.45	280	50	10
SDCW2012-2-471TF	$470 \pm 25\%$	0.77	240	50	10
SDCW2012-2-601TF	$600 \pm 25\%$	0.55	200	50	10
SDCW2012-2-751TF	$750 \pm 25\%$	0.70	180	50	10
SDCW2012-2-901TF	$900 \pm 25\%$	0.80	150	50	10
SDCW2012-2-102TF	$1000 \pm 25\%$	0.80	150	50	10
SDCW2012L-2-900TF	$90 \pm 25\%$	0.19	400	50	10
SDCW2012L-2-121TF	$120 \pm 25\%$	0.22	370	50	10
SDCW2012L-2-201TF	$200 \pm 25\%$	0.25	350	50	10

SDCW3216 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
SDCW3216-2-900TF	$90 \pm 25\%$	0.30	370	50	10
SDCW3216-2-161TF	$160 \pm 25\%$	0.40	340	50	10
SDCW3216-2-261TF	$260 \pm 25\%$	0.50	310	50	10
SDCW3216-2-601TF	$600 \pm 25\%$	0.80	260	50	10
SDCW3216-2-102TF	$1000 \pm 25\%$	1.00	230	50	10
SDCW3216-2-222TF	$2200 \pm 25\%$	1.20	200	50	10

等效电路

Equivalent
Circuit

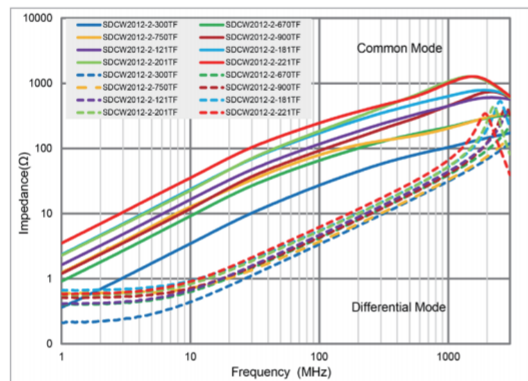


电气特性

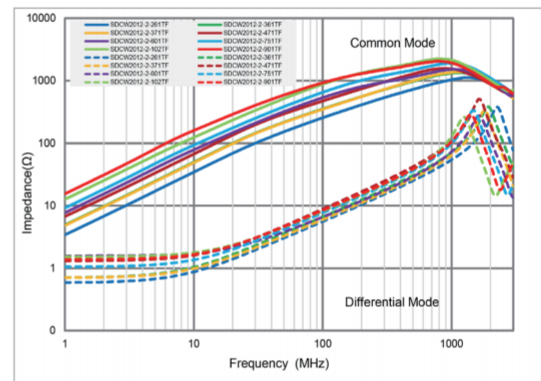
Typical
Electrical
Characteristics

Impedance vs. Frequency

SDCW2012 TYPE



SDCW2012 TYPE



SDCW3216 TYPE

