

# 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

- ◆ 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

- ◆ 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

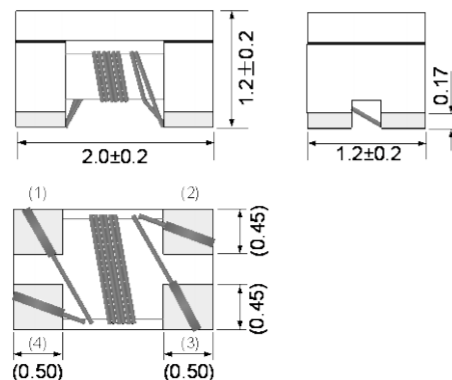
### 产品型号 Product Identification

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

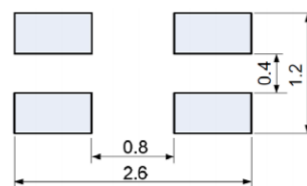
1	分类 Type	2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	3	类型 Code
SDCW	绕线式片式共模扼流器 Winding Type Common Mode Choke Coil	2012 [0805]	2.0×1.2	L	较大电流 Larger Current
		3216 [1206]	3.2×1.6		
4	引线数 Number of Lines	5	阻抗 Impedance	6	包装 Packing
2		Example	Nominal Value	T	编带 Tape & Reel
		900	90Ω		
		7	无有害物质产品 Hazardous Substance Free Products		
			F		

### 外观尺寸 Shape and Dimensions

SDCW2012 Type



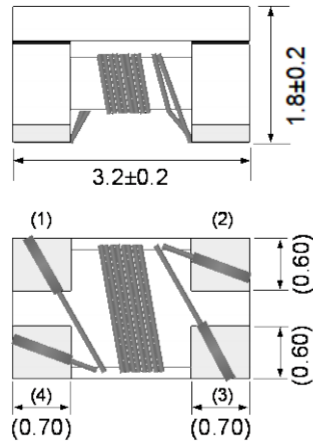
Recommended Land Pattern



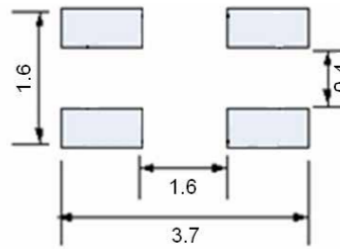
Unit: mm

## 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	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
符号 Symbol	Z	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
SDCW2012-2-300TF	30±25%	0.20	450	50	10
SDCW2012-2-670TF	67±25%	0.25	400	50	10
SDCW2012-2-750TF	75±25%	0.25	400	50	10
SDCW2012-2-900TF	90±25%	0.35	330	50	10
SDCW2012-2-121TF	120±25%	0.30	370	50	10
SDCW2012-2-181TF	180±25%	0.35	330	50	10
SDCW2012-2-201TF	200±25%	0.40	300	50	10
SDCW2012-2-221TF	220±25%	0.40	300	50	10
SDCW2012-2-261TF	260±25%	0.40	300	50	10
SDCW2012-2-361TF	360±25%	0.45	280	50	10
SDCW2012-2-371TF	370±25%	0.45	280	50	10
SDCW2012-2-471TF	470±25%	0.77	240	50	10
SDCW2012-2-601TF	600±25%	0.55	200	50	10
SDCW2012-2-751TF	750±25%	0.70	180	50	10
SDCW2012-2-901TF	900±25%	0.80	150	50	10
SDCW2012-2-102TF	1000±25%	0.80	150	50	10
SDCW2012L-2-900TF	90±25%	0.19	400	50	10
SDCW2012L-2-121TF	120±25%	0.22	370	50	10
SDCW2012L-2-201TF	200±25%	0.25	350	50	10

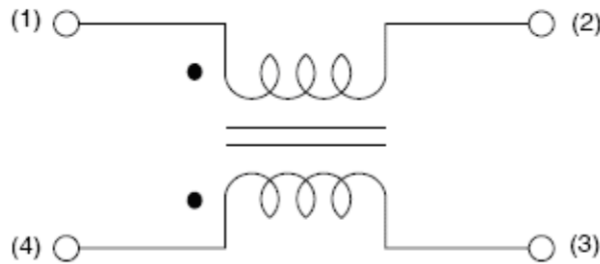
SDCW3216 TYPE

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	$\Omega$	$\Omega$	mA	Volts	M $\Omega$
符号 Symbol	Z	DCR	I <sub>r</sub>	V <sub>DC</sub>	IR
SDCW3216-2-900TF	90±25%	0.30	370	50	10
SDCW3216-2-161TF	160±25%	0.40	340	50	10
SDCW3216-2-261TF	260±25%	0.50	310	50	10
SDCW3216-2-601TF	600±25%	0.80	260	50	10
SDCW3216-2-102TF	1000±25%	1.00	230	50	10
SDCW3216-2-222TF	2200±25%	1.20	200	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.

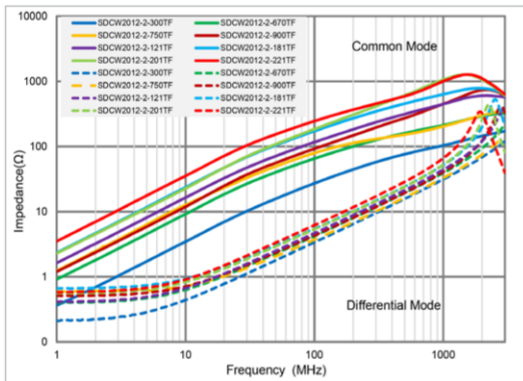
## 等效电路 Equivalent Circuit



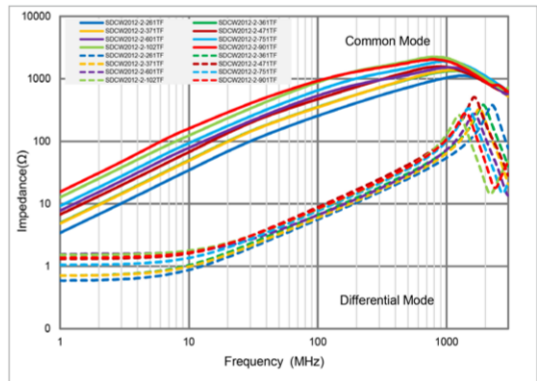
## 电气特性 Typical Electrical Characteristics

Impedance vs. Frequency

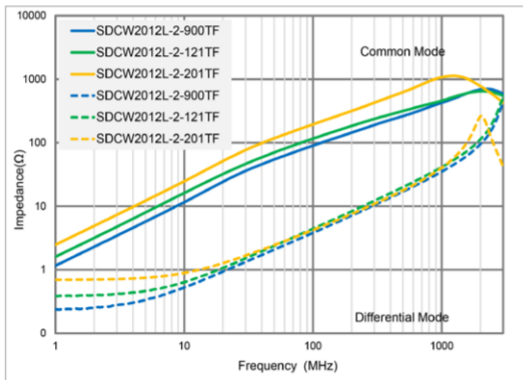
SDCW2012 TYPE



SDCW2012 TYPE



SDCW2012L TYPE



SDCW3216 TYPE

