

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°C ~ +85°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 30Ω~2200Ω 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
- ◆ 30Ω~2200Ω 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 分类 Type	
SDCW	绕线式片式共模扼流器 Winding Type Common Mode Choke Coil

2 外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	
2012 [0805]	2.0×1.2
3216 [1206]	3.2×1.6

3 类型 Code	
L	较大电流 Larger Current

4 引线数 Number of Lines	
2	

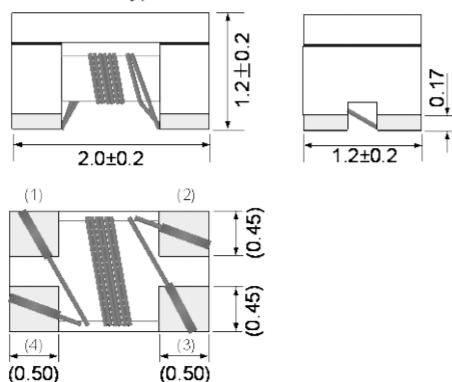
5 阻抗 Impedance	
Example	Nominal Value

6 包装 Packing	
T	编带 Tape & Reel

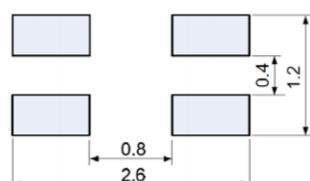
7 无有害物质产品 Hazardous Substance Free Products	
F	

外观尺寸 Shape and Dimensions

SDCW2012 Type



Recommended Land Pattern

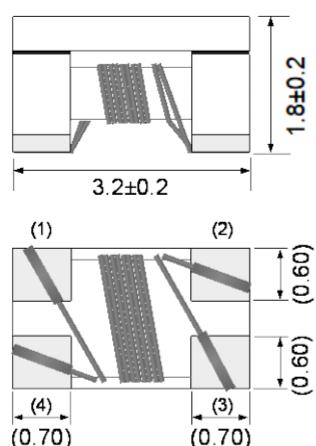


Unit: mm

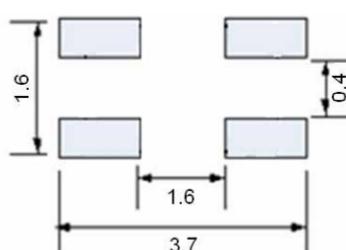
外观尺寸

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	Ω	Ω	mA	Volts	MΩ
符号 Symbol	Z	DCR	Ir	V _{DC}	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

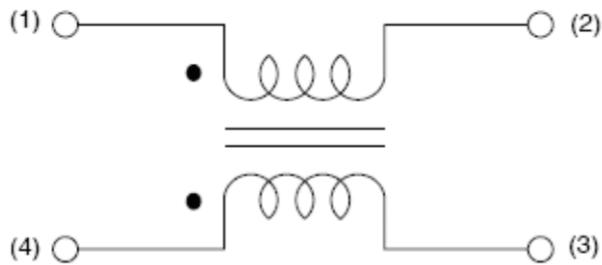
型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定电压 Rated Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	MΩ
符号 Symbol	Z	DCR	Ir	V _{DC}	IR
SDCW3216-2-900TF	90±25%	0.30	370	50	10
SDCW3216-2-161TF	160±25%	0.40	340	50	10
SDCW3216-2-261TF	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

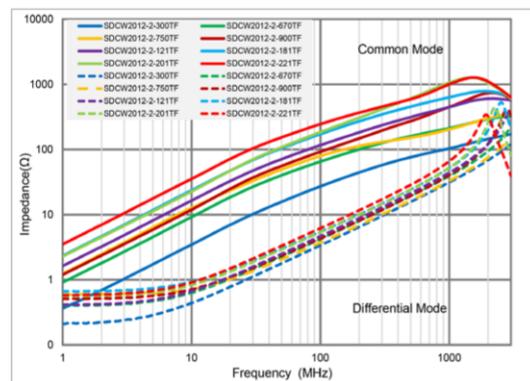


电气特性

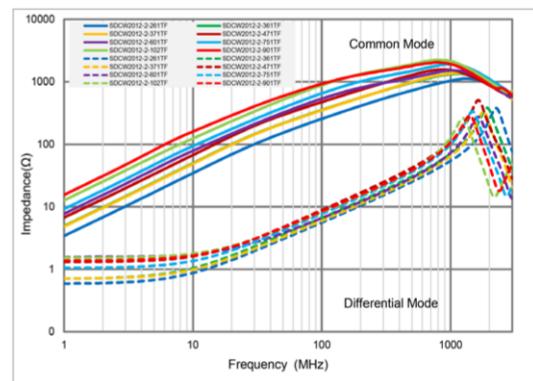
Typical Electrical Characteristics

Impedance vs. Frequency

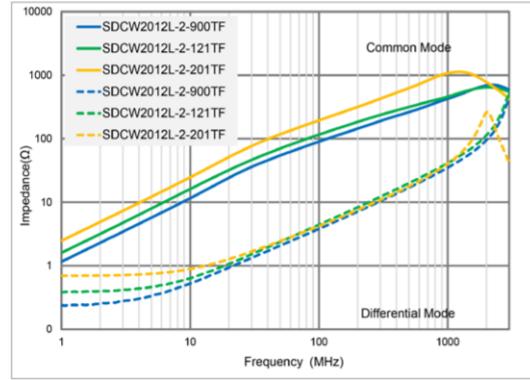
SDCW2012 TYPE



SDCW2012 TYPE



SDCW2012L TYPE



SDCW3216 TYPE

