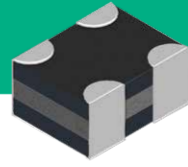


叠层片式共模滤波器—SDMM 系列

Multilayer Chip Common Mode Filter– SDMM Series



工作温度

Operating Temp

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

特征

Features

- ◆ 有效抑制高频共模噪声
- ◆ 良好的耐焊接性
- ◆ 尺寸小
- ◆ 多层共烧陶瓷结构
- ◆ Effective for suppressing common mode noise at high frequency
- ◆ Excellent solderability characteristics
- ◆ Small size & low profile
- ◆ Multilayer type SMD component based on LTCC technology

用途

Applications

- ◆ 用于抑制高速信号线中的共模噪声，如手机、平板电脑、TV 中的 MIPI、MHL、HDMI、IEEE802.3 等接口
- ◆ Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL, HDMI, IEEE802.3 in mobile phone, tablet PC, TV etc.

产品型号

Product Identification

1	SDMM	2	0806	3	U	4	-2	5	900	6	T
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1

分类 Type

SDMM

叠层片式共模滤波器
Multilayer Chip Common
Mode Filter

2

外形尺寸 (L×W) (mm)
External Dimensions (L×W) (mm)

06050.65×0.50

08060.85×0.65

09060.90×0.68

3

内部代码 Internal Code

U/H/F

4

信号线数量 Number of Lines

2两路 2 Lines

3三路 3 Lines

5

共模阻抗
Common Mode Impedance (Ω)

ExampleNominal Value

35035

90090

6

包装 Packing

T编带 Tape & Reel

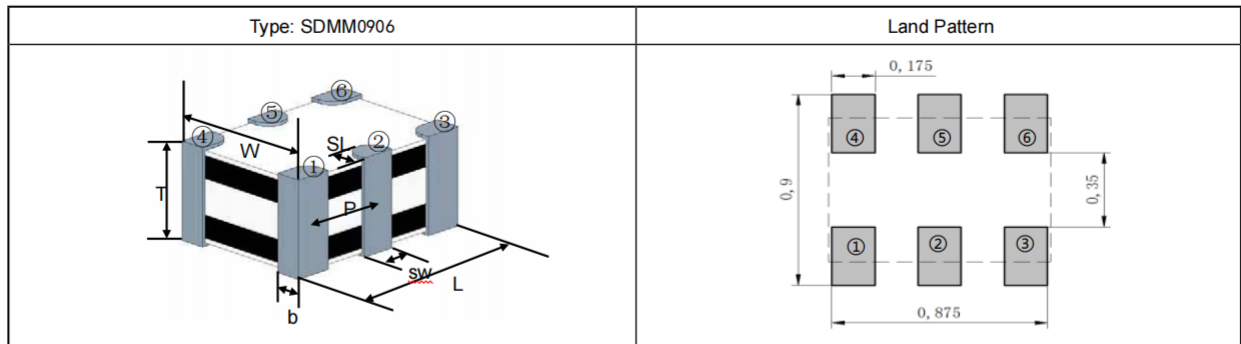
外观尺寸和焊盘

Shape Dimensions and Land-Pattern

Type: SDMM0605 & SDMM0806	Land Pattern
	For 0605 For 0806

外观尺寸和焊盘

Shape Dimensions and
Land-Pattern

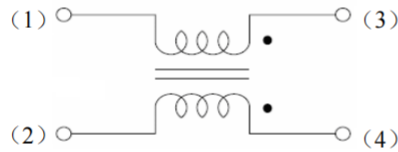


Unit: mm

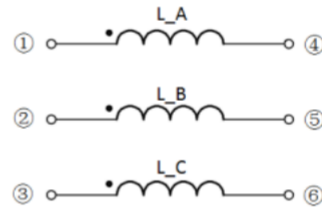
Type	L	W	T	SL	SW	P	b
SDMM0605	0.65±0.05	0.50±0.05	0.30±0.05	0.12+0.1/-0.05	0.15+0.1/-0.05	0.40±0.10	/
SDMM0806	0.85±0.05	0.65±0.05	0.40±0.05	0.20+0.05/-0.10	0.27±0.05	0.50±0.05	/
SDMM0906	0.90±0.05	0.68±0.05	0.40±0.05	0.12±0.10	0.15±0.10	0.35±0.10	0.12±0.10

等效电路

Equivalent
Circuit



For 0605/0806



For 0906

规格特性

Specifications

SDMM0605H Series

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	耐受电压 Withstand Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	Volts	MΩ
符号 Symbol	Z	DCR	I _r	VDC	V _p	IR
SDMM0605H-2-900T	90±20%	5.0	100	5	12.5	100

SDMM0605U Series

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	耐受电压 Withstand Voltage	耐受电压 Withstand Voltage	绝缘电阻 Min. Insulation Resistance
单位 Units	Ω	Ω	mA	Volts	Volts	MΩ
符号 Symbol	Z	DCR	I _r	V _p	V _p	IR
SDMM0605U-2-120T	12±5	2.5	50	5	12.5	100
SDMM0605U-2-250T	25±20%	3.5	50	5	12.5	100

规格特性 Specifications

SDMM0806U Series

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	绝缘电阻 Min. Insulation Resistance	差模截止频率 Cutoff Frequency (typ.)
单位 Units	Ω	Ω	mA	M Ω	GHz
符号 Symbol	Z	DCR	Ir	IR	f ₀
SDMM0806U-2-120T	12 $\pm$ 5	2.5	130	100	>8
SDMM0806U-2-350T	35 $\pm$ 20%	3.5	100	100	>6
SDMM0806U-2-470T	47 $\pm$ 20%	4.0	100	100	6
SDMM0806U-2-900T	90 $\pm$ 20%	4.5	100	100	3.5

注：差分线路D+和D-间长时间最大绝对直流电压值：DC 1.5V。

Note: Absolute maximum long term direct-current voltage between D+ and D-of differential lines: DC 1.5V.

SDMM0806F Series

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	额定直流耐压 Rated Voltage (VDC)	绝缘电阻 Min. Insulation Resistance
Units 单位	Ω	Ω	mA	Volts	M Ω
Symbol 符号	Z	DCR	Ir	Vp	IR
SDMM0806F-2-900T	90 $\pm$ 20%	4.0	100	5	10
SDMM0806F-2-121T	120 $\pm$ 20%	4.0	100	5	10
SDMM0806F-2-551T	550 $\pm$ 25%	10.0	50	5	10

SDMM0906H Series

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	额定直流耐压 Rated Voltage (VDC)	绝缘电阻 Min. Insulation Resistance
Units 单位	Ω	Ω	mA	Volts	M Ω
Symbol 符号	Z	DCR	Ir	Vp	IR
SDMM0906H-3-300T	30 $\pm$ 20%	4.0	100	12.5	100

注：差分线路AB、AC 或 BC 导线之间的绝对最大长期直流电压：1.5V。

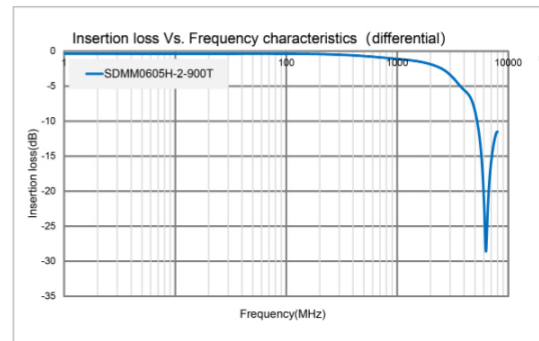
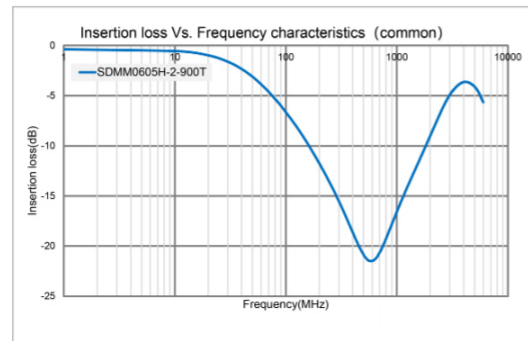
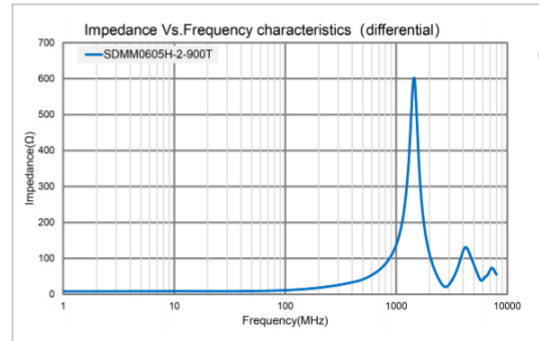
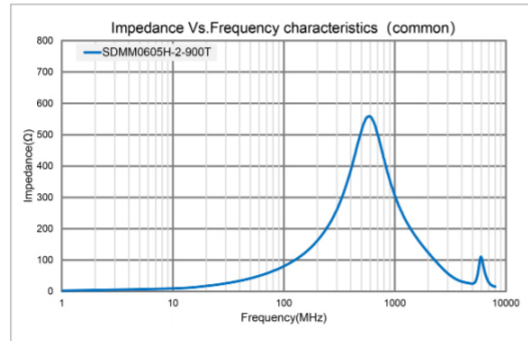
Note: Absolute maximum long term direct-current voltage between wire AB, AC or BC: 1.5V.

※: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.

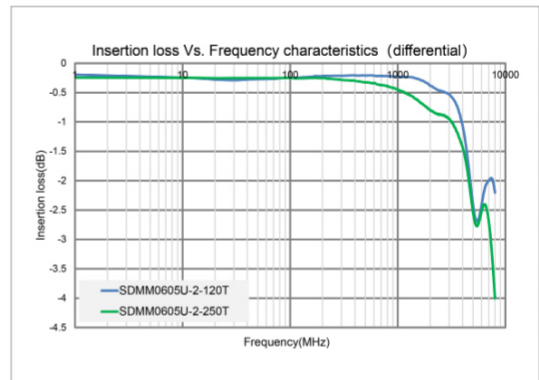
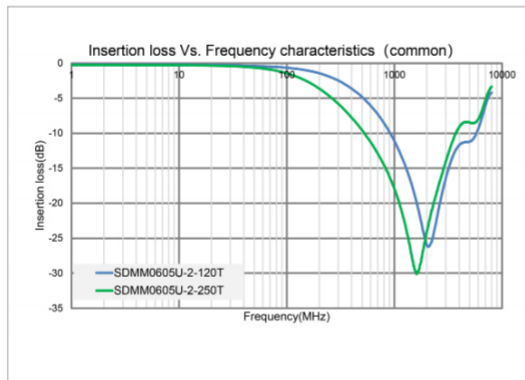
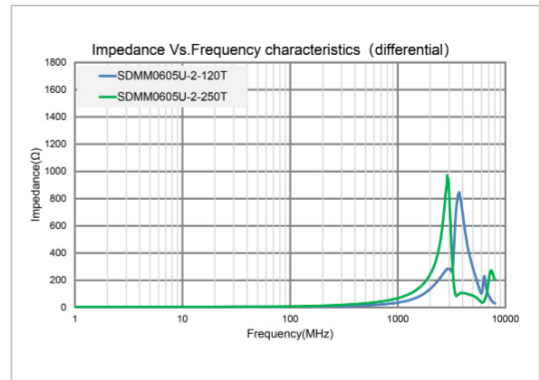
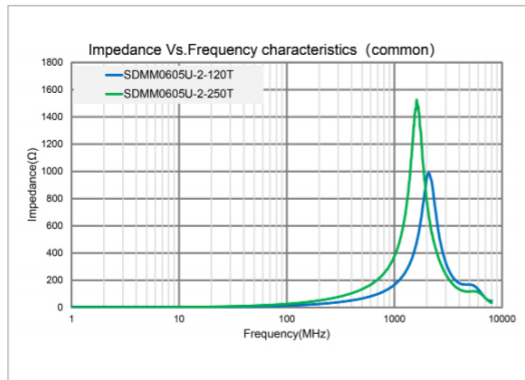
电气特性 Electrical Characteristics

SDMM0605H Series

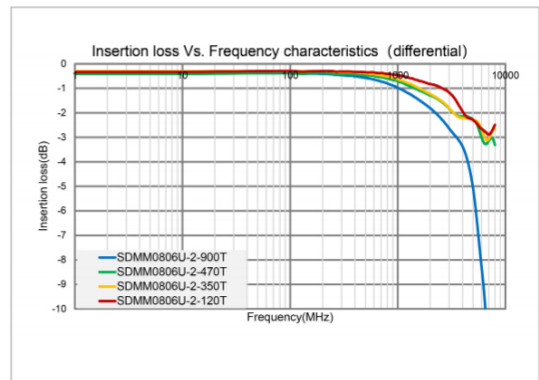
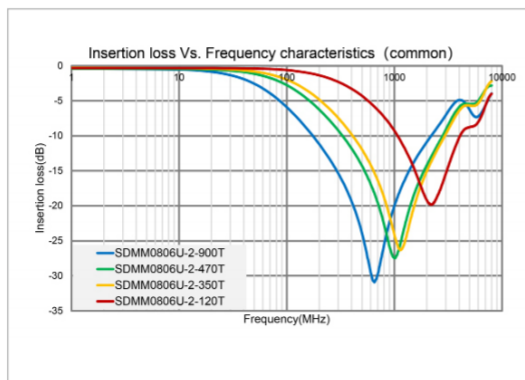
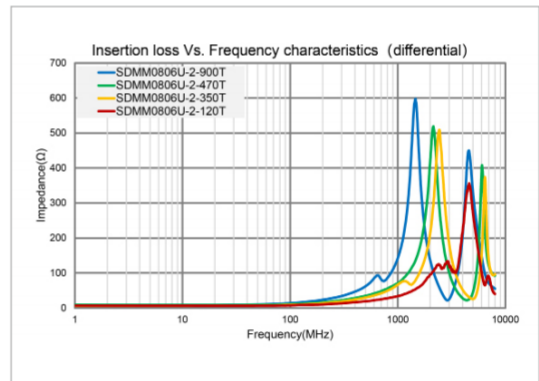
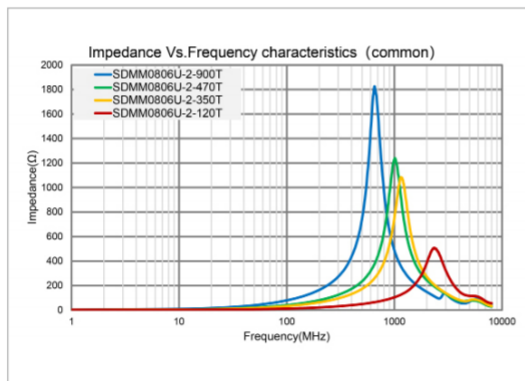


电气特性 Electrical Characteristics

SDMM0605U Series



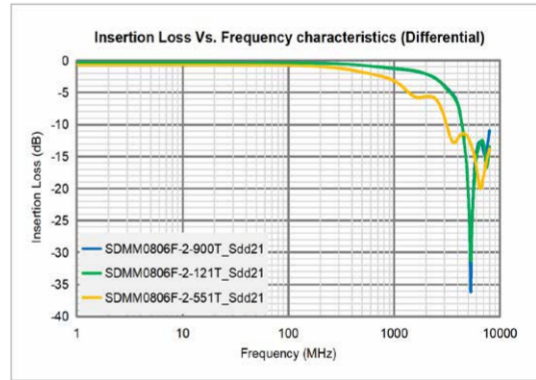
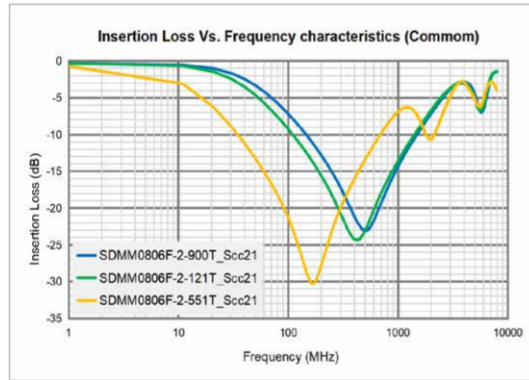
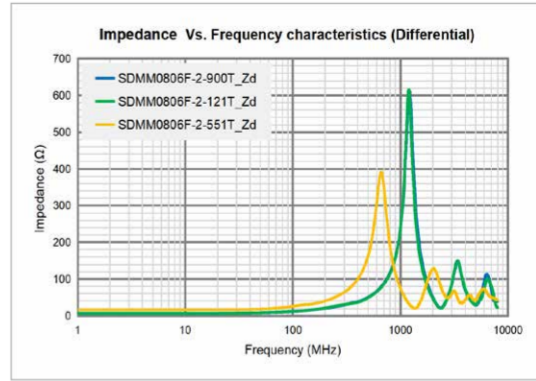
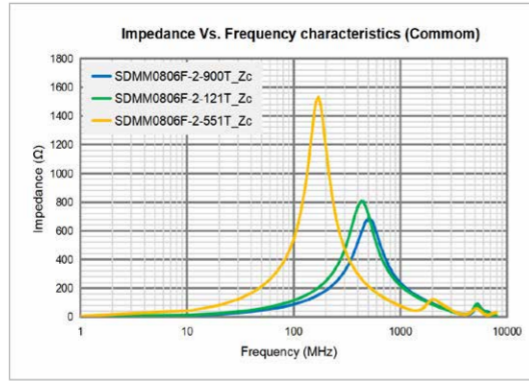
SDMM0806U Series



电气特性

Electrical Characteristics

SDMM0806F Series



SDMM0906H Series

