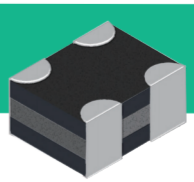
叠层片式共模滤波器—SDMM 系列
Multilayer Chip Common Mode Filter– SDMM Series



工作温度 Operating Temp

- -40℃~+85℃

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音，如手机，平板电脑，TV 中的 MIPI、MHL、HDMI、IEE802.3 等接口
- Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL, HDMI,IEE802.3 in mobile phone, tablet PC, TV etc.

产品型号 Product Identification

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

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)	
0605	0.65×0.50
0806	0.85×0.65
0906	0.90×0.68

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

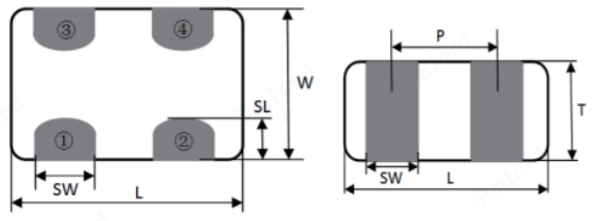
共模阻抗 Common Mode Impedance (Ω)	
Example	Nominal Value
350	35
900	90

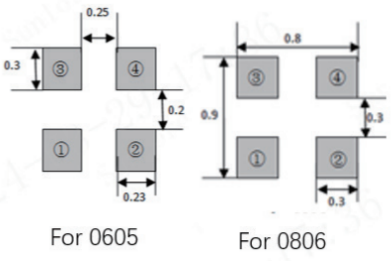
6

包装 Packing	
T	编带 Tape & Reel

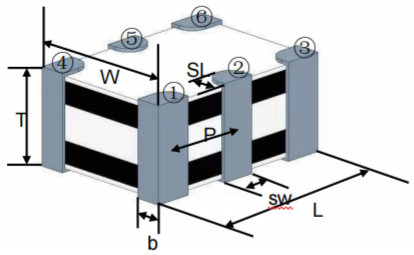
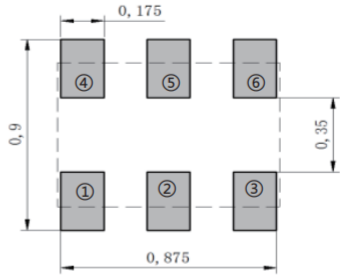
外观尺寸和焊盘 Shape Dimensions and Land-Pattern

Type: SDMM0605 &SDMM0806	Land Pattern





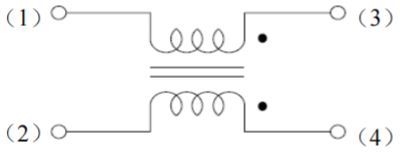
外观尺寸和焊盘
Shape Dimensions and Land-Pattern

Type: SDMM0906	Land Pattern
	

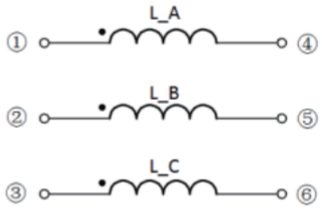
Unit: mm

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	Ir	VDC	Vp	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	Ir	Vp	Vp	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

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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	MΩ	GHz
符号 Symbol	Z	DCR	Ir	IR	f0
SDMM0806U-2-120T	12±5	2.5	130	100	>8
SDMM0806U-2-350T	35±20%	3.5	100	100	>6
SDMM0806U-2-470T	47±20%	4.0	100	100	6
SDMM0806U-2-900T	90±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	MΩ
Symbol 符号	Z	DCR	Ir	Vp	IR
SDMM0806F-2-900T	90±20%	4.0	100	5	10
SDMM0806F-2-121T	120±20%	4.0	100	5	10
SDMM0806F-2-551T	550±25%	10.0	50	5	10

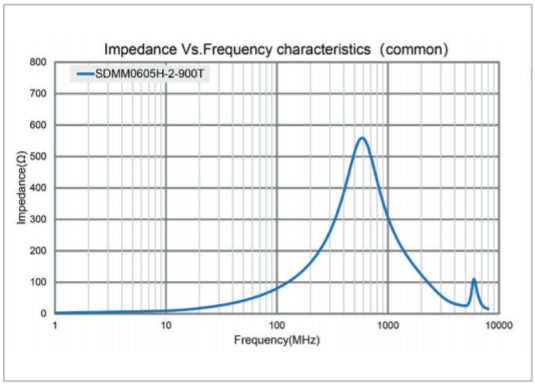
SDMM0906H Series

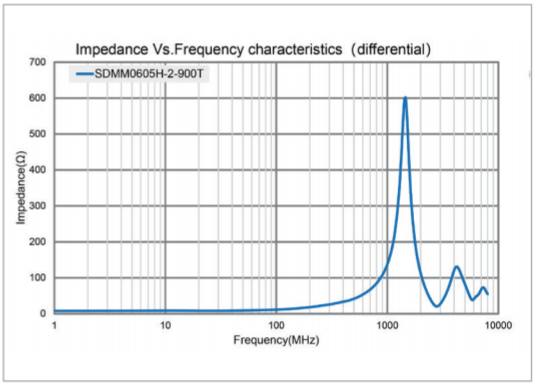
型号 Part Number	共模阻抗 Common Mode Impedance @ 100MHz	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	额定直流耐压 Rated Voltage (VDC)	绝缘电阻 Min.Insulation Resistance
Units 单位	Ω	Ω	mA	Volts	MΩ
Symbol 符号	Z	DCR	Ir	Vp	IR
SDMM0906H-3-300T	30±20%	4.0	100	12.5	100

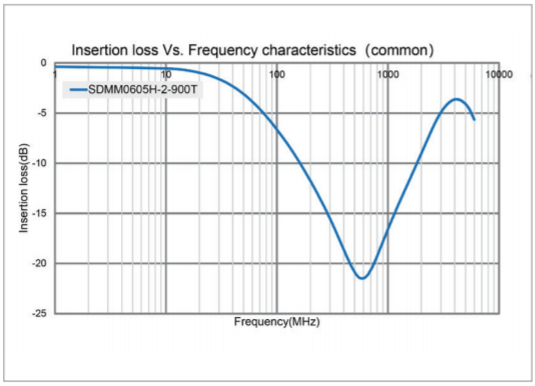
注：差分线路AB、AC 或 BC 导线之间的绝对最大长期直流电压：1.5V。
Note: Absolute maximum long term direct-current voltage between wire AB, AC or BC: 1.5V.

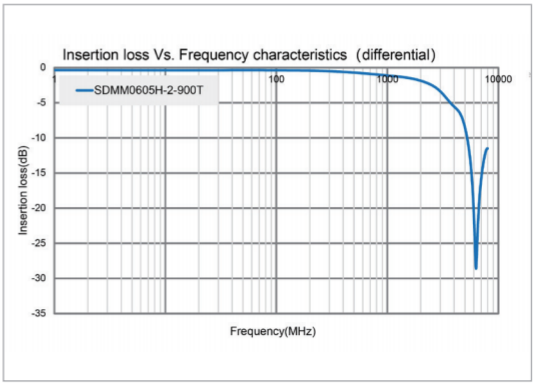
电气特性
Electrical Characteristics

SDMM0605H Series





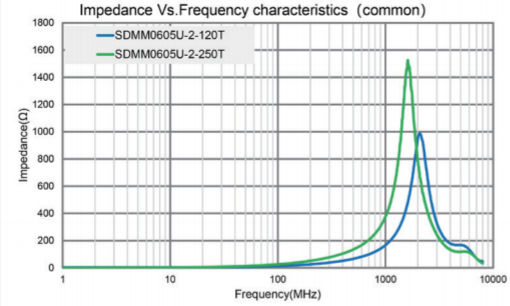


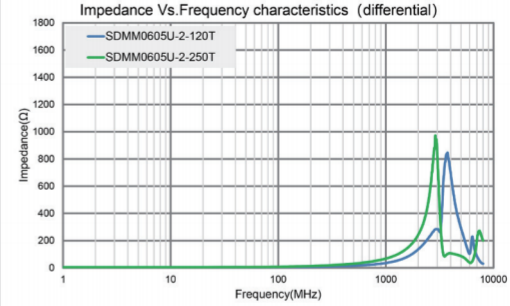


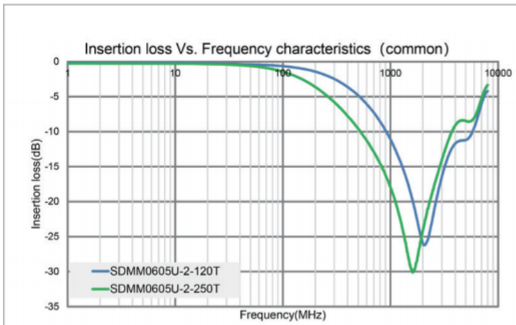
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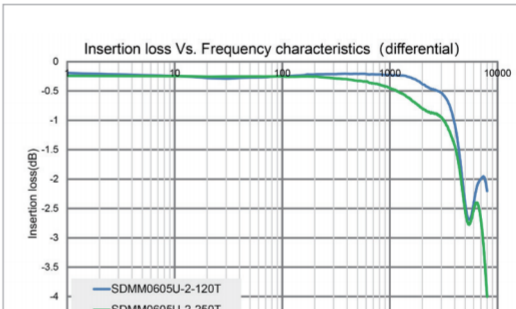
电气特性
Electrical Characteristics

SDMM0605U Series

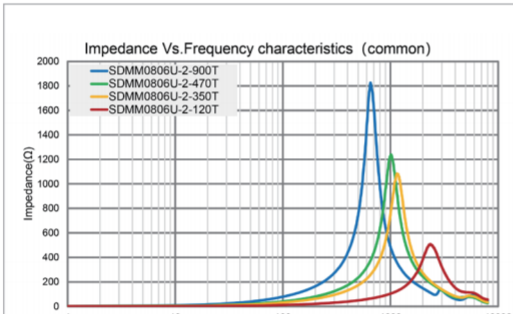


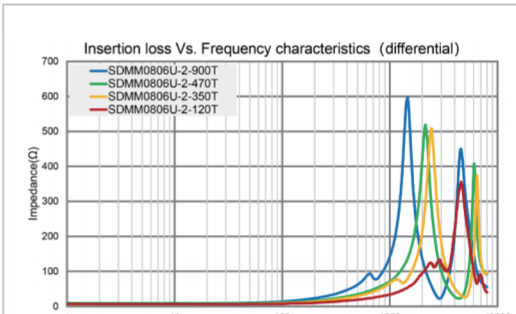


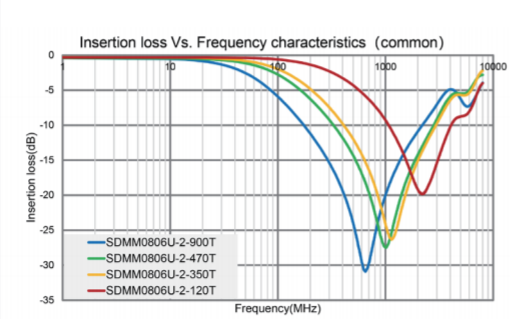


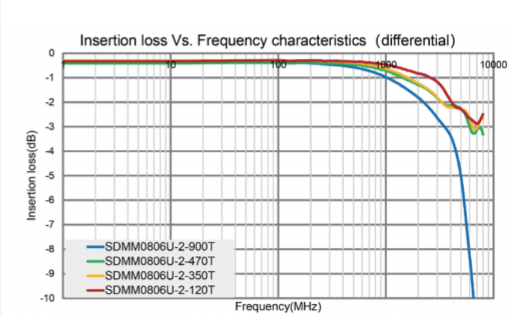


SDMM0806U Series



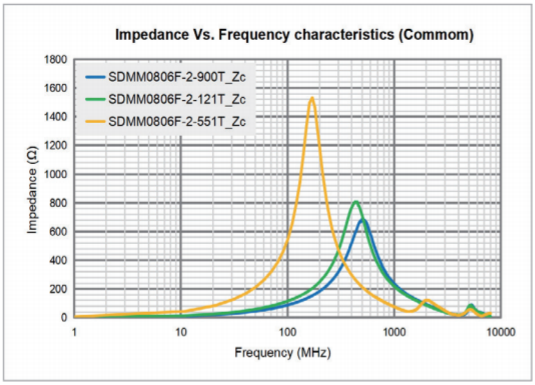


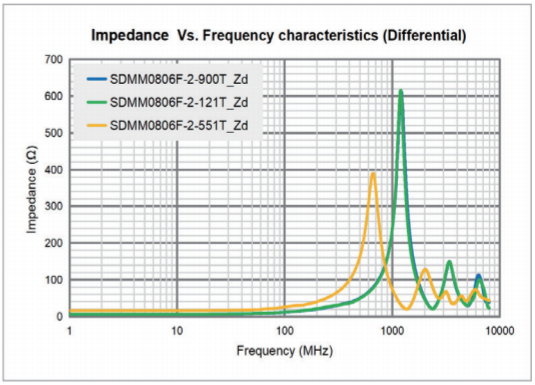


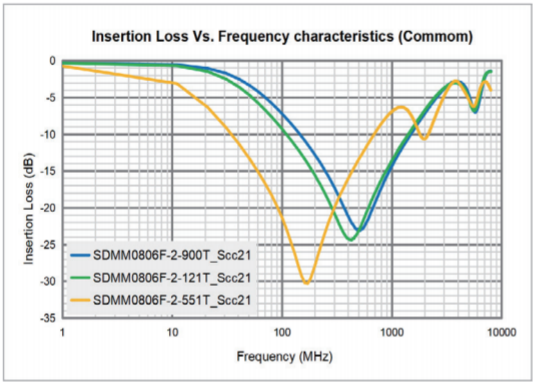


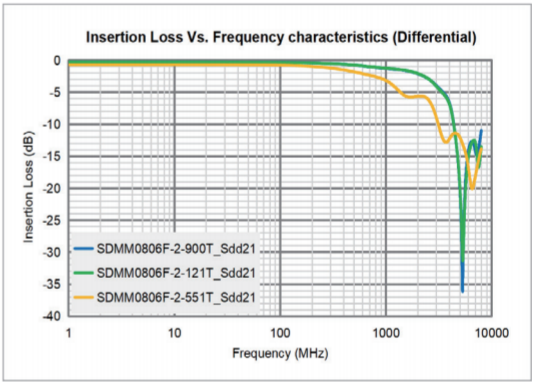
电气特性
Electrical Characteristics

SDMM0806F Series

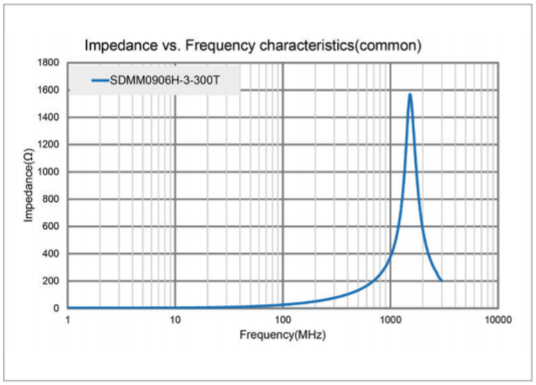


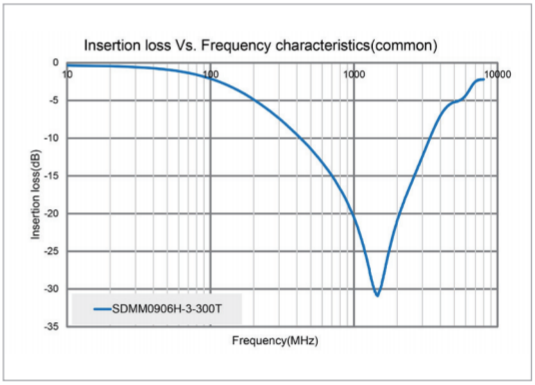


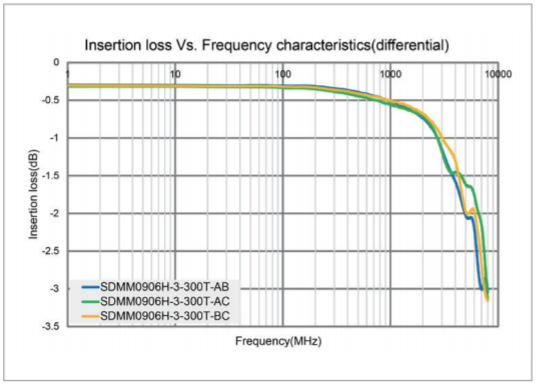




SDMM0906H Series







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