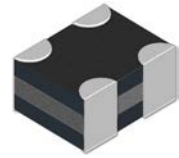


Multilayer Chip Common Mode Filter– SDMM Series

Operating Temp. : -40°C~+85°C



FEATURES

- Effective for suppressing common mode noise at high frequency
- Excellent solderability characteristics
- Small size & low profile (0.85*0.65*0.40 mm)
- Multilayer type SMD component based on LTCC technology

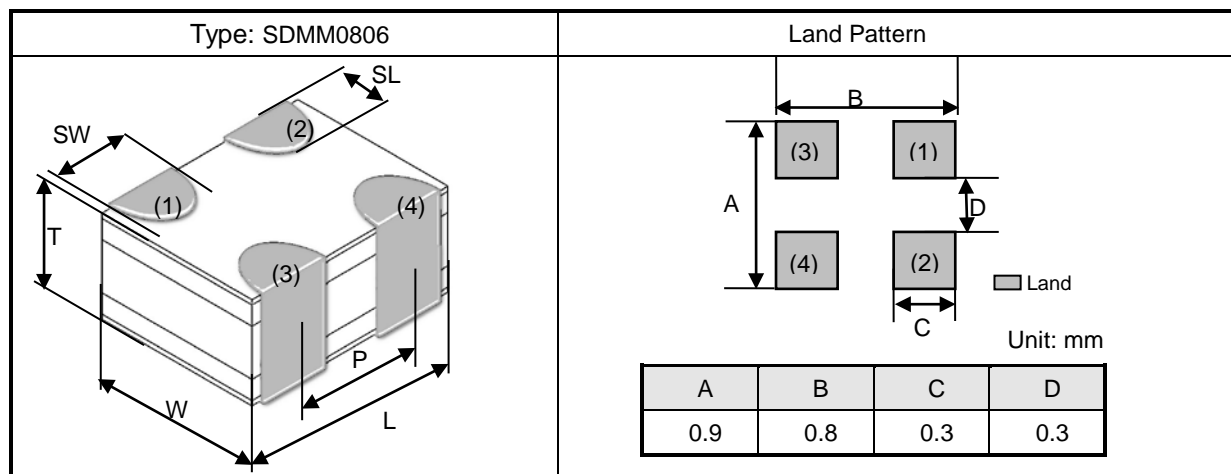
APPLICATIONS

- Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL in mobile phone, tablet PC etc.

PRODUCT IDENTIFICATION

<u>SDMM</u> ①	<u>0806</u> ②	<u>H</u> ③	<u>-2</u> ④	<u>900</u> ⑤	<u>T</u> ⑥								
①	②	③	④	⑤	⑥								
<table border="1"> <tr><td>Type</td></tr> <tr><td>SDMM Multilayer Chip Common Mode Filter</td></tr> </table>		Type	SDMM Multilayer Chip Common Mode Filter	<table border="1"> <tr><td>External Dimensions (LxW) (mm)</td></tr> <tr><td>0806 0.85x0.65</td></tr> </table>		External Dimensions (LxW) (mm)	0806 0.85x0.65	<table border="1"> <tr><td>Feature Type</td></tr> <tr><td>H For High-Speed Differential Signal Lines</td></tr> <tr><td>U For Ultra high speed Differential Signal Lines</td></tr> </table>		Feature Type	H For High-Speed Differential Signal Lines	U For Ultra high speed Differential Signal Lines	
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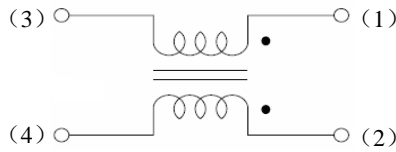
SHAPE, DIMENSIONS AND LAND-PATTERN



Unit: mm [inch]

Type	L	W	T	SL	SW	P
SDMM0806	0.85±0.05 [.033±.002]	0.65±0.05 [.026±.002]	0.40±0.05 [.016±.002]	0.20+0.05/-0.10 [.008+.002/-0.004]	0.27±0.05 [.011±.002]	0.50±0.05 [.020±.002]

EQUIVALENT CIRCUIT



SPECIFICATIONS

SDMM0806H-2_ T Series

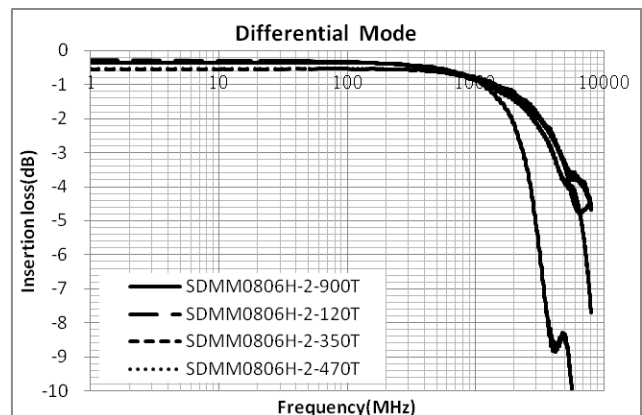
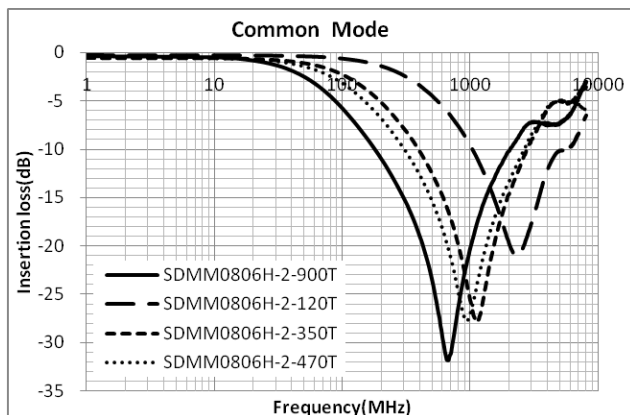
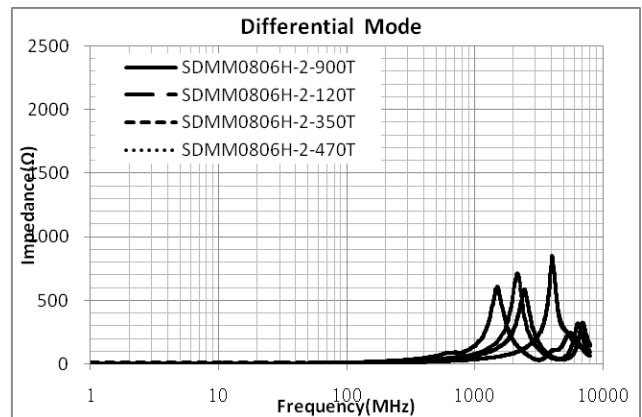
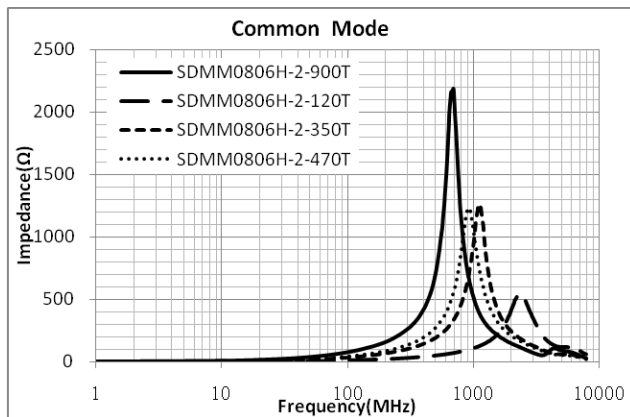
Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Withstand Voltage	Min. Insulation Resistance
Units	Ω	Ω	mA	Volts	Volts	M Ω
Symbol	Z	DCR	I _r	V _{DC}	V _P	IR
SDMM0806H-2-120T	12±5	2.5	130	5	12.5	100
SDMM0806H-2-350T	35±20%	3.0	100	5	12.5	100
SDMM0806H-2-470T	47±20%	3.5	100	5	12.5	100
SDMM0806H-2-900T	90±20%	4.0	100	5	12.5	100

SDMM0806U-2_ T Series

Part Number	Common Mode Impedance @ 100MHz	Max. DC Resistance	Max. Rated Current	Rated Voltage	Min. Insulation Resistance	Cutoff Frequency (typ.)
Units	Ω	Ω	mA	Volts	M Ω	GHz
Symbol	Z	DCR	I _r	V _{DC}	IR	f ₀
SDMM0806U-2-350TB01	35±20%	3.5	100	5	100	>6
SDMM0806U-2-900TB01	90±20%	4.5	100	5	100	3.5

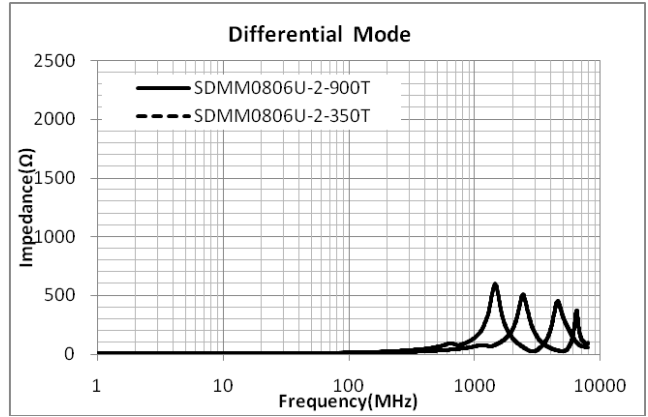
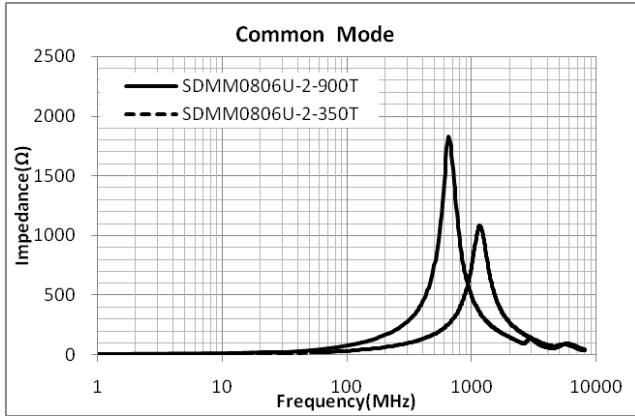
ELECTRICAL CHARACTERISTICS

SDMM0806H-2_ T Series



ELECTRICAL CHARACTERISTICS

SDMM0806U-2-_T Series



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