

Common mode Noise Filters



◆ Features

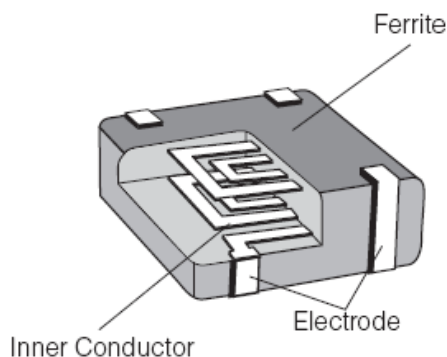
- 1、 Small and thin (L 0.85 mm×W 0.65 mm×H 0.45 mm)
- 2、 Noise suppression of high-speed differential transmission lines with little influence of waveform rounding on signal transmission
- 3、 Low DC resistance and low insertion loss
- 5、 Strong multilayer/sintered structure, excellent reflow resistance and high mounting reliability
- 6、 Lead, halogen and antimony-free
- 7、 RoHS compliant



◆ Application

- 1、 Smartphones, Tablet PCs and DSC
- 2、 Noise suppression of high-speed differential data lines such as USB, LVDS and MHL

◆ Construction

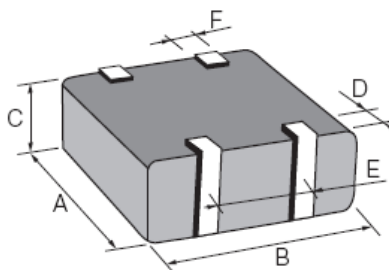


◆ PRODUCT IDENTIFICATION

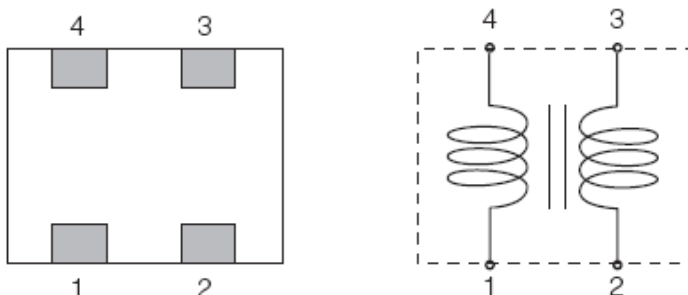
SMM 0806 E 900 N S T
(1) (2) (3) (4) (5) (6) (7)

- (1) Series Type
- (2) Chip Size (mm) :Length X Width
- (3) Material type : With magnetic shield(B/D/H)
- (4) Nominal Impedance:120=12Ω;
900=90Ω
- (5) Inductance Tolerance: M=±20%, N=±25%
Y=±30%
- (6) Company Code
- (7) Packaging: P – Embossed paper tape, 7" reel
E – Embossed plastic tape, 7" reel
T – Tape & reel

◆ Dimensions in mm



Part No. (inch size)	Dimensions(mm)						Mass (Weight:mg/pc.)
	A	B	C	D	E	F	
SMM0806E	0.65±0.05	0.85±0.05	0.45±0.05	0.10 min.	0.50±0.10	0.27±0.10	1.4



The pin numbers shown here are for reference purposes only. Confirm the actual pin number arrangement with the exchanged specification documents.

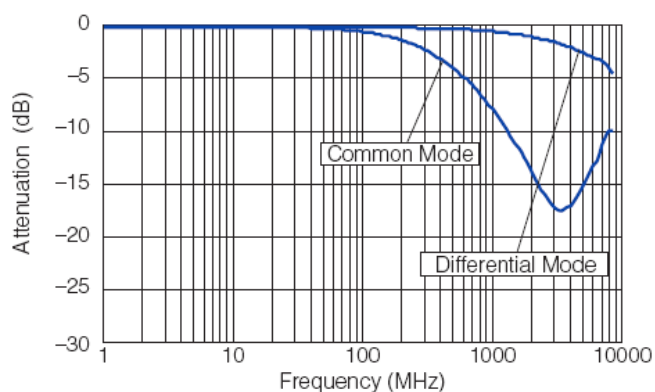
◆ Specifications

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)max.
	Common Mode	Differential Mode			
SMM0806E120YST	12 Ω ±30%	10 Ω max.	5	130	2.0
SMM0806E350YST	35 Ω ±30%	15 Ω max	.5	100	2.0
SMM0806E450NST	45 Ω ±25%	15 Ω max.	5	100	2.7
SMM0806E650MST	65 Ω ±20%	20 Ω max	.5	130	2.5
SMM0806E900MST	90 Ω ±20%	20 Ω max.	5	130	2.5
SMM0806E121MST	120 Ω ±20%	20 Ω max.	5	100	3.8

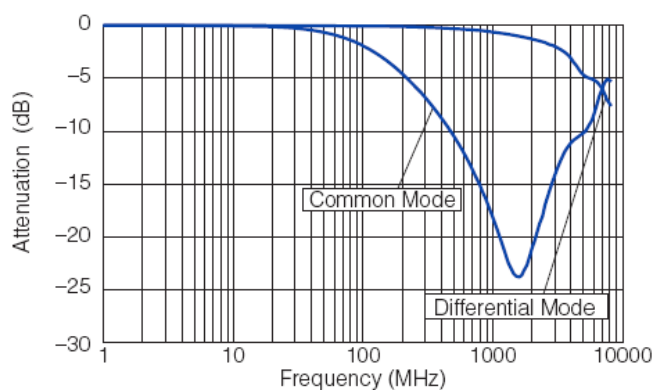
Category Temperature Range -40 °C to +85 °C

◆ Impedance Characteristics (Typical)

SMM0806E120YST

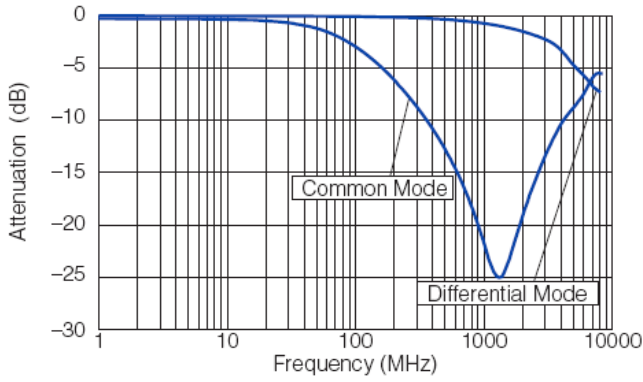


SMM0806E350YST

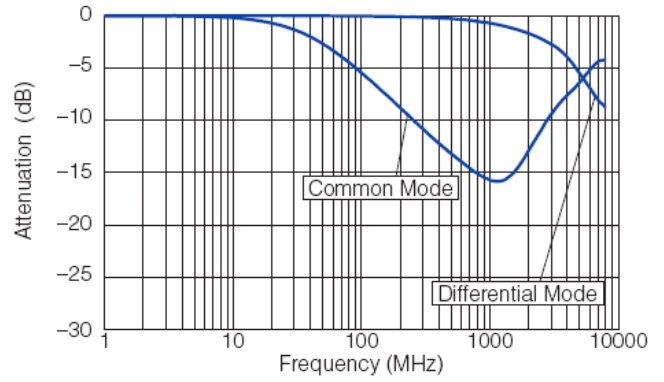


◆ Impedance Characteristics (Typical)

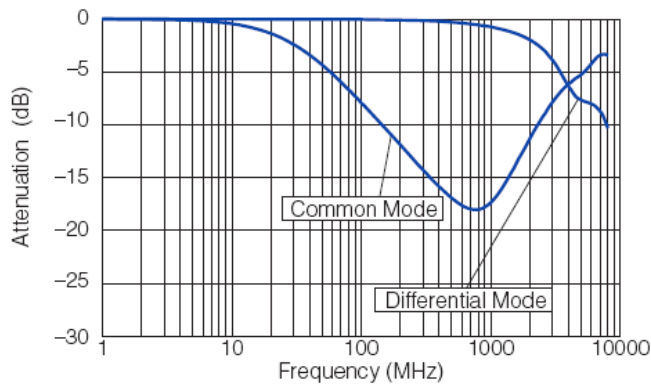
SMM0806E450NST



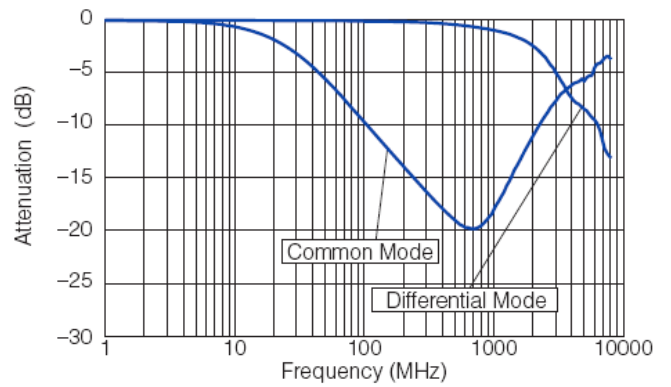
SMM0806E650MST



SMM0806E900MST



SMM0806E121MST



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