

◆ Features

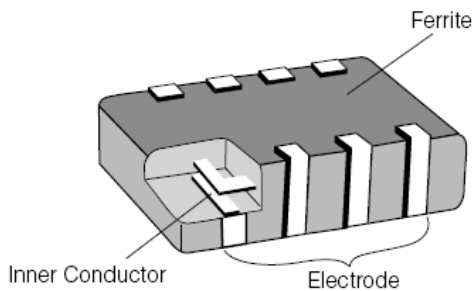
- 1、Two Common mode noise filters in one package
- 2、Small size and low-profile
(L 2.0 mm×W 1.0 mm×H 0.5 mm)
- 3、Reduce the common mode noise and reform the signal wave by high-coupled inductors
- 4、Magnetic shield type
- 5、Rigidly layered and sintered structure with high resistance to reflow heat and mounting reliability
- 6、Lead, halogen, and antimony free
- 7、RoHS compliant



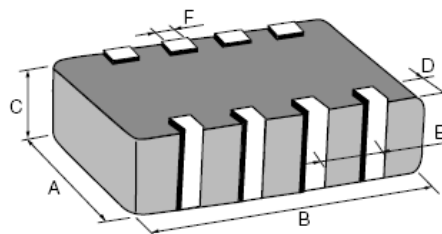
◆ Application

- 1、USB data lines such as PCs, DSC, Mobile phone.
- 2、LVDS data lines such as PCs, TV.
- 3、IEEE1394 data lines such as PCs, TV.

◆ Construction



◆ Dimensions in mm



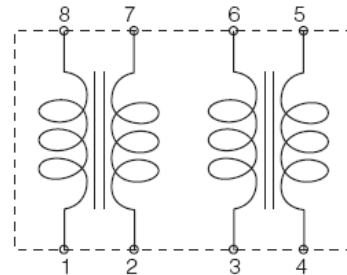
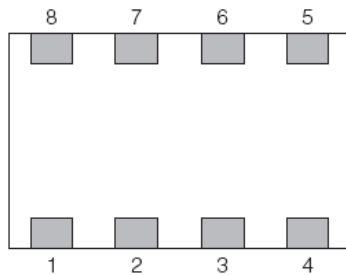
◆ PRODUCT IDENTIFICATION

CMMC 2010 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

Part No. (inch size)	Dimensions(mm)						Mass (Weight:mg/pc.)
	A	B	C	D	E	F	
CMMC2010E	1.00±0.15	2.00±0.20	0.50±0.10	0.20±0.15	0.55±0.10	0.25±0.10	5.0

◆ Circuit Configuration(No Polarity)



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

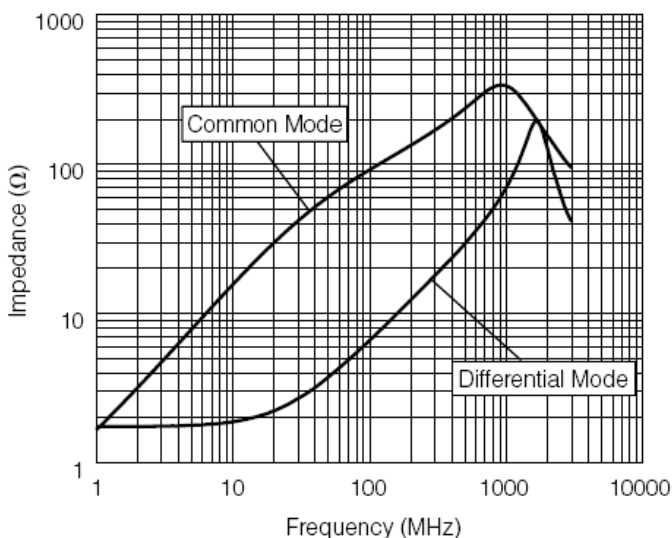
◆ Specifications

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)max.
	Common Mode	Differential Mode			
CMMC2010E900NST	$90\Omega \pm 25\%$	$15\Omega \text{ max.}$	5	160	1.50
CMMC2010E121NST	$120\Omega \pm 25\%$	$18\Omega \text{ max.}$	5	140	2.00
CMMC2010E201NST	$200\Omega \pm 25\%$	$20\Omega \text{ max.}$	5	130	2.50
CMMC2010E301MST	$200\Omega \pm 20\%$	$30\Omega \text{ max.}$	5	80	5.00

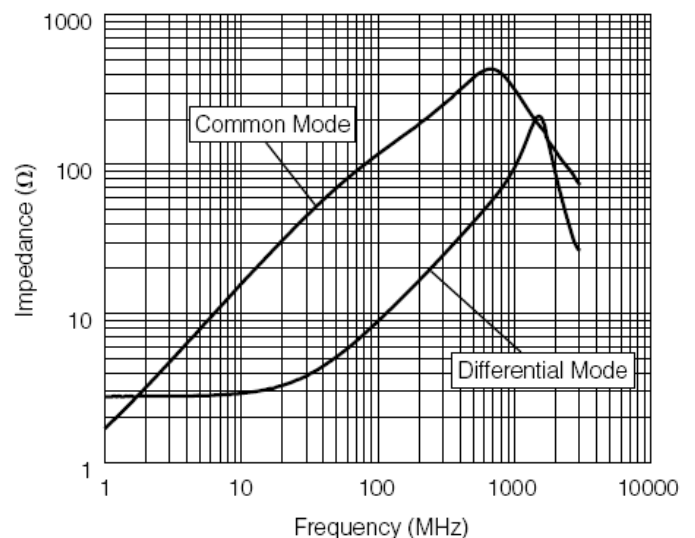
Category Temperature Range -40°C to $+85^\circ\text{C}$

◆ Impedance Characteristics (Typical)

CMMC2010E900NST

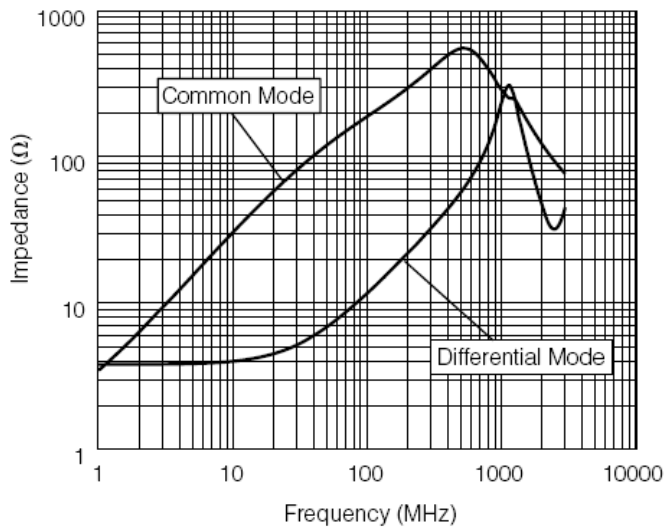


CMMC2010E121NST

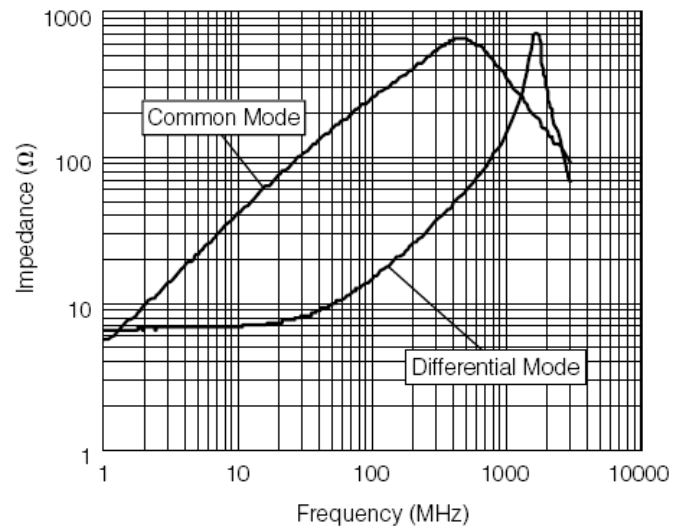


◆ Impedance Characteristics (Typical)

CMMC2010E201NST

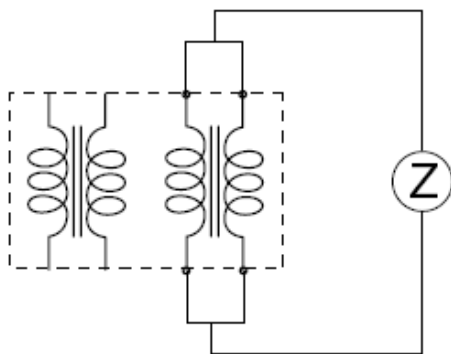


CMMC201E301NST



◆ Measurement Circuit

(A) Common Mode



(B) Differential Mode

