cybermax
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CMMC2012E Series

Common mode Noise Filters

◆ Features

1、Small and thin (L 2.0 mm×W 1.25 mm×H 0.50 mm)
2、Reduce the common mode noise and reform the signal wave by high-coupled inductors
3、The strong multi-layer structure provides high resistance to reflow soldering heat and a high mounting reliability
4、Magnetic shield type
5、RoHS compliant

◆ Application

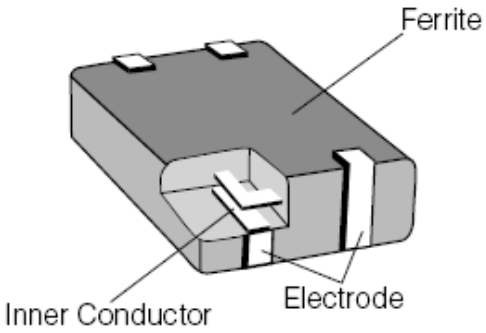
1、USB data lines such as PCs, DSC, Mobile phone.
2、LVDS data lines such as PCs, TV.
3、IEEE1394 data lines such as PCs, TV.

◆ PRODUCT IDENTIFICATION

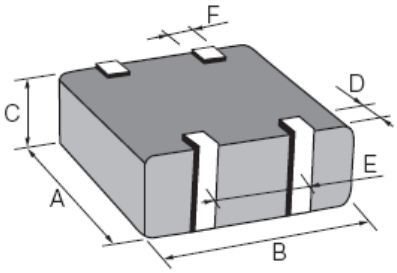
CMMC	2012	E	900	N	S	T
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Series Type
(2) Chip Size（mm）:Length X Width
(3) Material type : With maganetic 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

◆ Construction

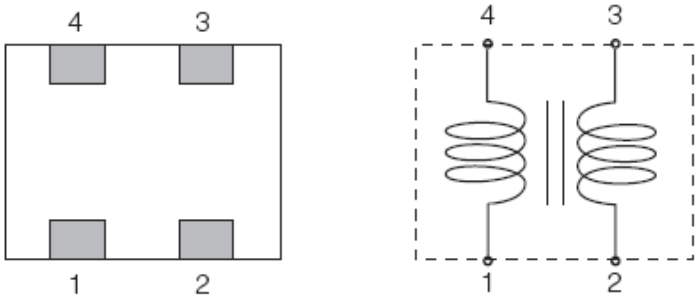


◆ Dimensions in mm



Part No. (inch size)	Dimensions(mm)						Mass (Weight:mg/pc.)
	A	B	C	D	E	F	
CMMC2012E	2.0±0.15	1.25±0.15	0.50±0.10	0.30±0.15	0.8±0.10	0.30±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.

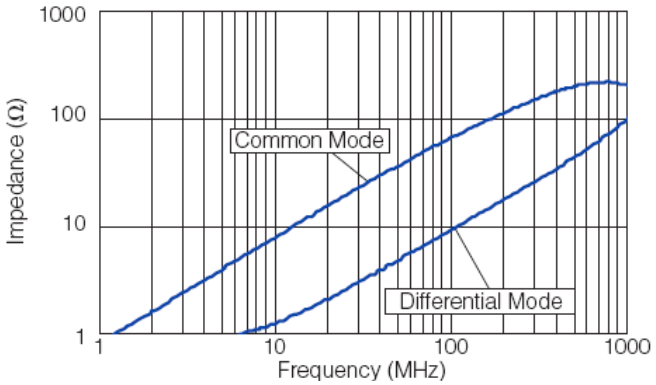
◆ Specifications

Part Number	Impedance (Ω) at 100 MHz		Rated Voltage (V DC)	Rated Current (mA DC)	DC Resistance (Ω)max.
	Common Mode	Differential Mode			
CMMC2012E670NST	67Ω±25%	20Ω max.	5	250	0.8
CMMC2012E900NST	90Ω±25%	15Ω max.	5	250	0.8
CMMC2012E121NST	120Ω±25%	18Ω max.	5	200	1.0
CMMC2012E201MST	200Ω±20%	20Ω max.	5	200	1.0

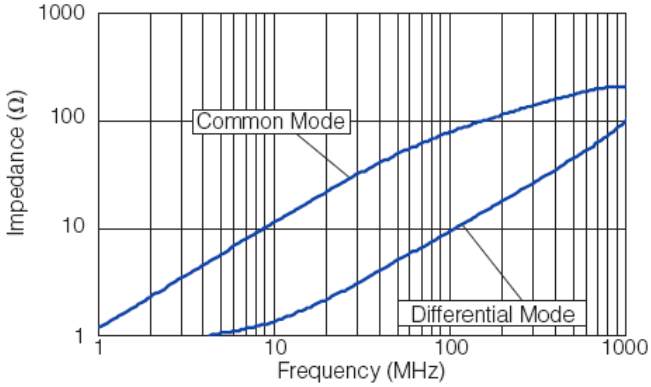
Category Temperature Range –40 °C to +85 °C

◆ Impedance Characteristics (Typical)

CMMC2012E670NST

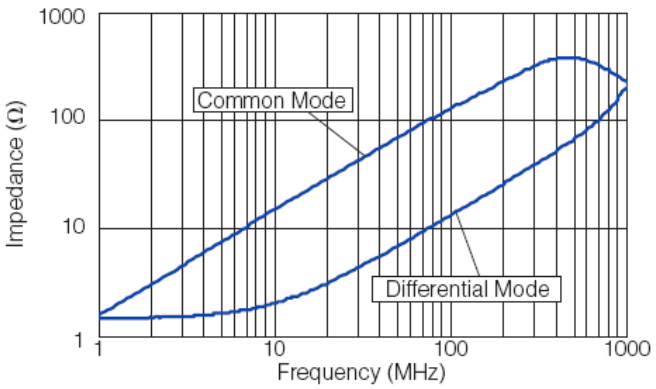


CMMC2012E900NST



◆Impedance Characteristics (Typical)

CMMC2012E121NST



CMMC2012E201NST