

## FEATURES

Suitable for differential signal line like USB2.0,IEEE1394and HUB,because MCI-2012/ 3216 does not provide distortion to high speed signal transmission due to its high coupling. The wire wound features advance in lower DC resistance and higher current tolerance, and much Stable performance.

Small dimension enables higher density packaging.

## APPLICATIONS

Common mode noise suppression of signal lines in high speed and high density digital equipment Such as personal computers and peripherals.

## PRODUCT IDENTIFICATION

①      ②      ③      ④  
MCI - 3216 - 261 □ □

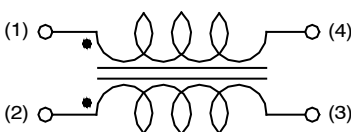
- ① Product Code
- ② Dimensions
- ③ Impedance Code
- ④ Pattern Code

## PRODUCT SERIES

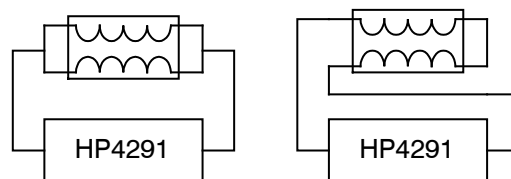
NOTE: Dimension in mm

	3216	2012
A	3.2±0.2	2.0±0.2
B	1.9±0.2	1.2±0.2
C	0.17	0.17
D	1.6±0.2	1.2±0.2
E	0.60	0.45
F	0.60	0.40

## LAND PATTERNS



## TEST CIRCUIT



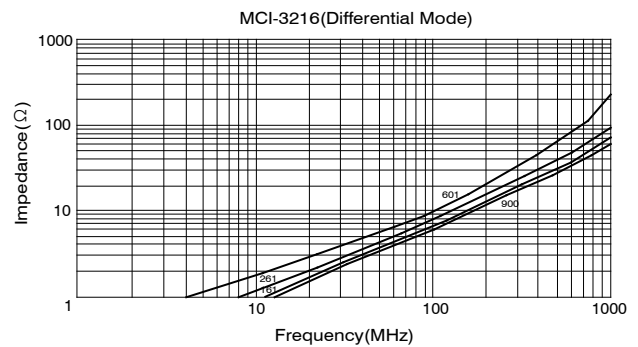
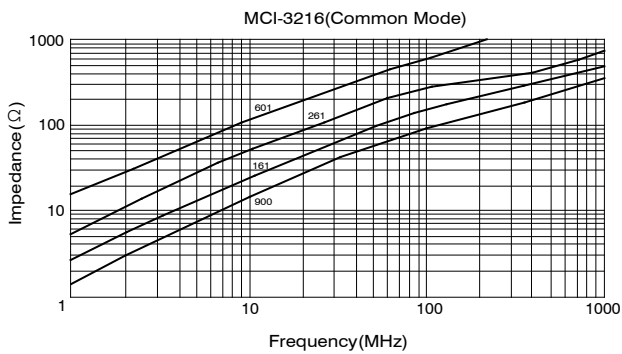
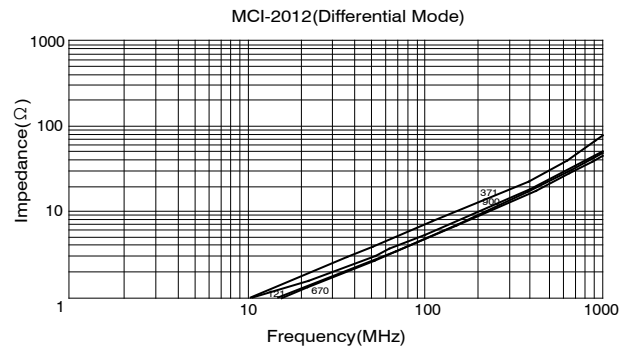
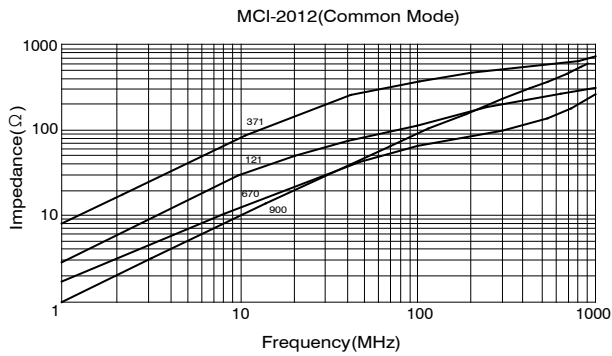
Common Mode

Differential Mode

■ ELECTRICAL CHARACTERISTICS

PART NUMBER	Common Mode Impedance( $\Omega$ ) @100MHz	Percent(%) Tolerance	RDC Max Ohms	Withstanding Voltage(Vdc)	Rated Voltage Vdc(V)Max	Rated current Max(mA)
MCI-2012-670	67	25	0.25	125	50	400
MCI-2012-900	90		0.35			330
MCI-2012-121	120		0.30			370
MCI-2012-181	180		0.35			330
MCI-2012-261	260		0.40			300
MCI-2012-371	370		0.40			280
MCI-3216-900	90	25	0.30	125	50	370
MCI-3216-161	160		0.40			340
MCI-3216-261	260		0.50			310
MCI-3216-601	600		0.80			260
MCI-3216-102	1000		1.00			230
MCI-3216-222	2200		1.20			200

Impedance & Frequency Characteristics



EMI Common Mode Filter