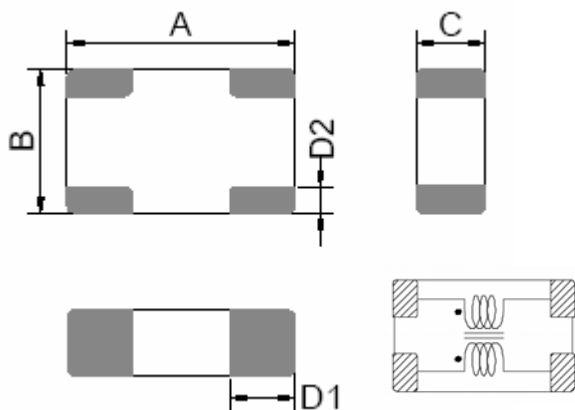


## SMD TYPE MULTILAYER COMMON MODE FILTER

### ◆ PRODUCT DIMENSIONS



### ◆ PRODUCT IDENTIFICATION

$\frac{\text{SMF}}{(1)}$  -  $\frac{2012}{(2)}$   $\frac{\text{CL}}{(3)}$  -  $\frac{900}{(4)}$  -  $\frac{2P}{(5)}$

- (1) Product Code
- (2) Dimensions (in mm)
- (3) Design Code
- (4) Impedance
- (5) 2P : 2 Lines

### ◆ PRODUCT DIMENSIONS ( in mm)

PRODUCT NO.	A	B	C	D1	D2
SMF-2012	2.0±0.2	1.25±0.2	1.0±0.1	0.425±0.2	0.25±0.15

### ◆ PRODUCT SPECIFICATIONS

Part Number	Impedance(Ω) at 100MHz		DCR (Ω) Max.	Rated Current (mA) Max.	Rated Voltage (V) Max	Insulation Resistance (M Ω) Min.
	Ref	Min				
SMF-2012CL-900-2P	90	67	0.70	400	10	10
SMF-2012CL-121-2P	120	90	0.80	400	10	10
SMF-2012CL-181-2P	180	135	1.00	330	10	10
SMF-2012CL-301-2P	300	225	2.00	250	10	10

## SMD TYPE MULTILAYER COMMON MODE FILTER

### ◆ FEATURES

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Effective for common mode noise suppression in digital equipment which radiation is caused from cables.
- Excellent solderability and heat resistance.
- Suitable for flow and reflow soldering.
- The product is lead free.

### ◆ APPLICATIONS

P-series chip beads can be used in a variety of electronics including:

- CD-ROMs
- Hard Drives
- Modems
- Monitors
- Motherboards
- Printers
- HDMI

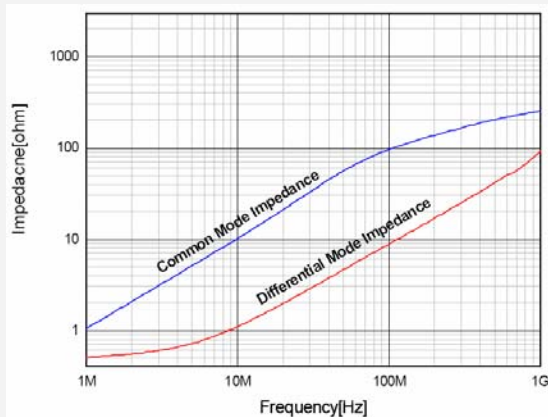
### ◆ OPERATING TEMPERATURE:

-45 ~ 85°C

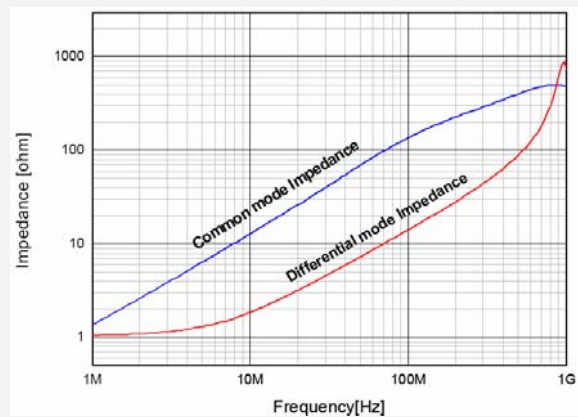
### ◆ TEST EQUIPMENTS AND TEST SETUP

Z by Agilent E4991A RF Impedance Analyzer with HP16197A Test Fixture.  
DCR by milli-ohm meter.

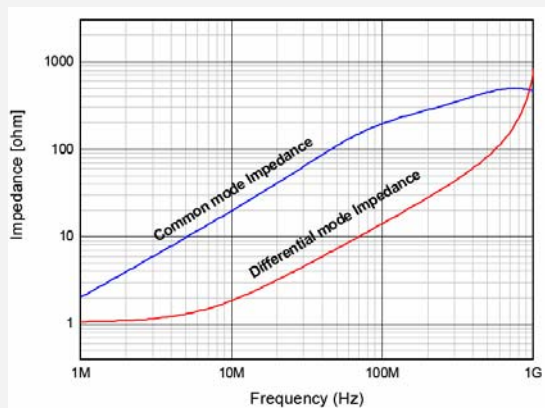
SMF-2012CL-900-2P



SMF-2012CL-120-2P



SMF-2012CL-181-2P



SMF-2012CL-301-2P

