# **BWCC Series** For USB 2.0, IEEE1394b, LVDS



A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications. Both standard series and custom designs are available.

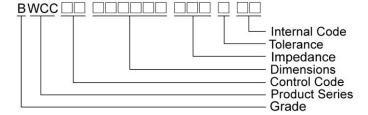
#### **Features**

- RoHS Compliant
- Miniature SMD type common mode filter for fully automated assembly IEEE 1394 line for personal computers, DVC, STB
- Excellent solderability

### **Applications**

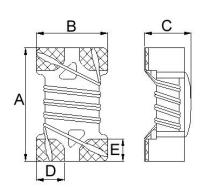
- USB line for personal computers and peripheral
- LVDS, panel line for liquid display panels, graph card etc

### **Product Identification**

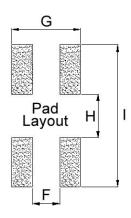


## **Shape and Dimensions**

### BWCC00201208



### **Recommended Pattern**



#### Dimensions in mm

TYPE	Α	В	С	D	E	F	G	Н	I
BWCC00201208	2.0±0.2	1.2±0.2	0.8±0.1	0.5	0.4	0.5	1.27	0.8	2.6



## **SMD Common Mode Choke - BWCC Series**

### **Electrical Characteristics**

Part Number	Impedance (Ω)	Tolerance (±%)	Test Frequency (MHz)	RDC (Ω) Max	IDC (mA)	Rated Voltage (Vdc)	Withstanding Voltage (Vdc)	Insulation Resistance (M $\Omega$ ) Min
BWCC00201208300 02	30	20	100	0.20	1300	50	125	10
BWCC00201208420_02	42	20	100	0.20	1300	50	125	10
BWCC00201208670_02	67	20	100	0.25	1200	50	125	10
BWCC00201208900 02	90	20	100	0.27	1000	50	125	10
BWCC00201208121_02	120	20	100	0.30	900	50	125	10
BWCC00201208181_02	180	20	100	0.40	700	50	125	10
BWCC00201208261_02	260	20	100	0.60	700	50	125	10

Note: When ordering, please specify tolerance code. Tolerance: M=±20%

- Operating temperature range 40°C ~ 105°C(Including self temperature rise)
- RDC : SINGLE WIRE TEST VALUE
- IDC for Inductance drop 10% from its value without current.
- Measure Equipment :

Z: Agilent HP4291A

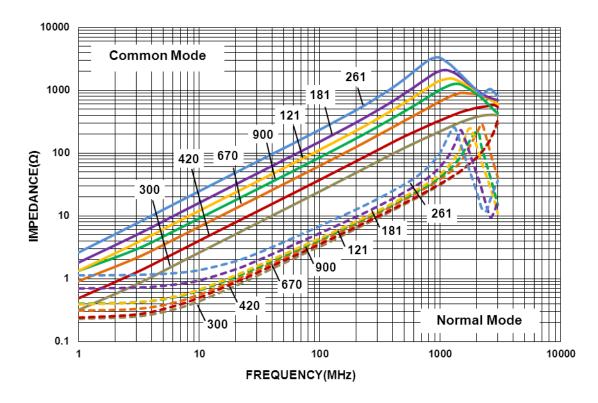
RDC: HP4338B or Chroma 16502 (Single Wire Test Value)

IDC: HP4284A+HP42841A/HP4285A+HP42841A

Insulation Resistance : Agilent HP4339B

Test Instruments: HP4291A Material/Impedance Analyzer

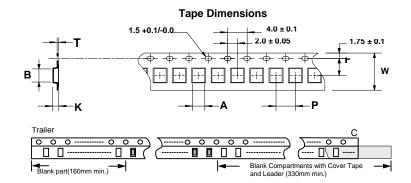
### Typical Impedance vs. Frequency

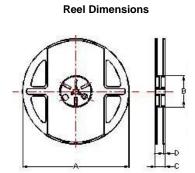




# **SMD Common Mode Choke - BWCC Series**

# **Packaging Specifications**





#### Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity
	Α	В	Т	w	Р	F	K	Α	В	С	D	PCS / Reel
BWCC00201208	1.46	2.3	0.23	8	4	3.5	1.1	178	60	12	1.5	2000

