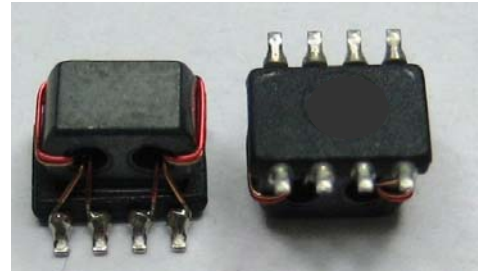


## SMD Common Mode Filters-DB Series

DB series For EMC in High Speed Data Line

### Features

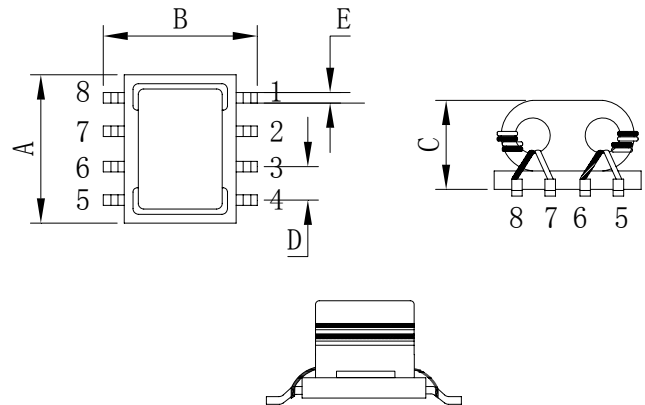
- 1.Low profile and small size SMD.
- 2.Use of high performance ferrite for excellent



### Applications

- 1.Preventive measure against USB & IEEE1394 radiation emissions.
- 2.Suppresses radiated emissions from peripheral devices.
- 3.Personal computer (Desk-top, Note-book)  
Game computer, Digital Camera, Scanner, etc.

### Dimensions (mm)



### Product Identification

#### DB 608H- 201-PF

DB: SERIES NAME

60:Dimensions CODE

8: 8PIN

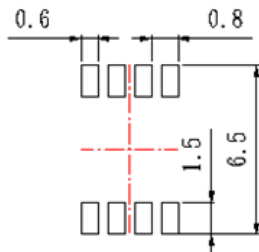
H:MATERIAL CODE.

201: IMPEDANCE CODE.

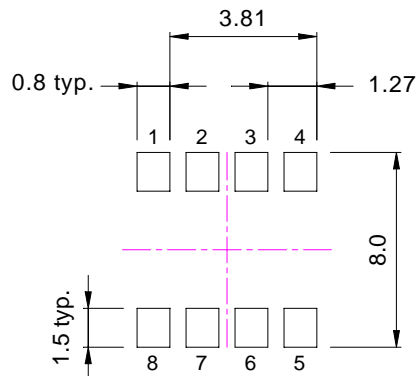
PF:Pb-Free

P/N	A	B	C	D	E
DB508	$3.5 \pm 0.3$	$5.0 \pm 0.3$	2.7Max	$0.8 \pm 0.3$	$0.3 \pm 0.2$
DB608	6.0Max	6.5Max	3.3Max	$1.27 \pm 0.5$	$0.5 \pm 0.2$
DB608H	$5.8 \pm 0.5$	$6.0 \pm 0.5$	$4.1 \pm 0.5$	$1.27 \pm 0.5$	$0.5 \pm 0.2$
Continued	Customized				

### Recommended Pattern(mm)



DB508



DB608

# SMD Common Mode Filters-DB Series

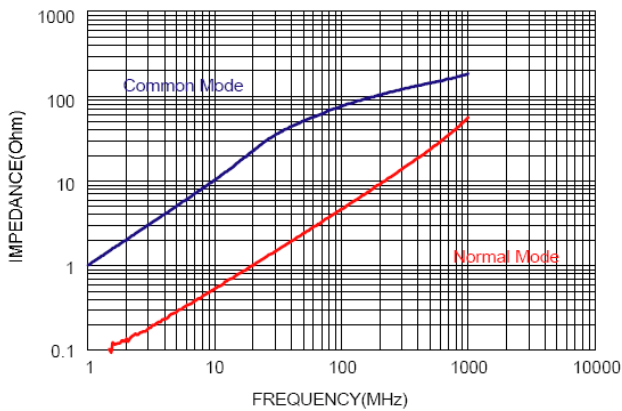
## DB series For EMC in High Speed Date Line

### Electrical Characteristics

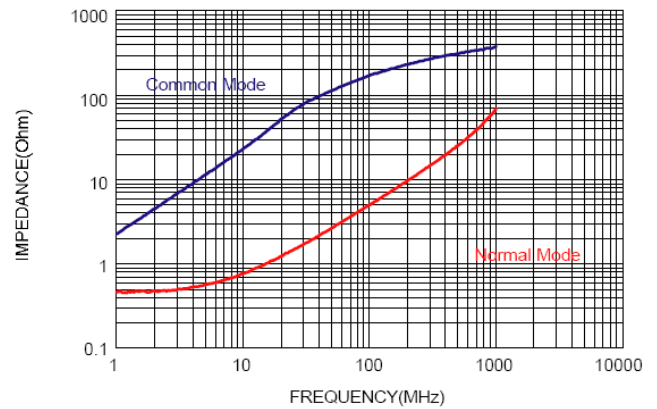
Part Number	Impedance ( $\Omega$ )	Test Frequency (MHz)	Rdc Max ( $\Omega$ )	Idc Max (mA)	Withstand Voltage (Vdc)											
DB508-900-PF	90Min	100	0.10	500	100											
DB508-161-PF	160Min	100	0.12	500	100											
DB508-201-PF	200 $\pm$ 35%	100	500	100	DB508-301-PF	300Min	100	0.15	500	100	DB508-501-PF	500 $\pm$ 35%	100	0.16	500	100
DB508-301-PF	300Min	100	0.15	500	100											
DB508-501-PF	500 $\pm$ 35%	100	0.16	500	100											

### Impedance Vs Frequency Curve

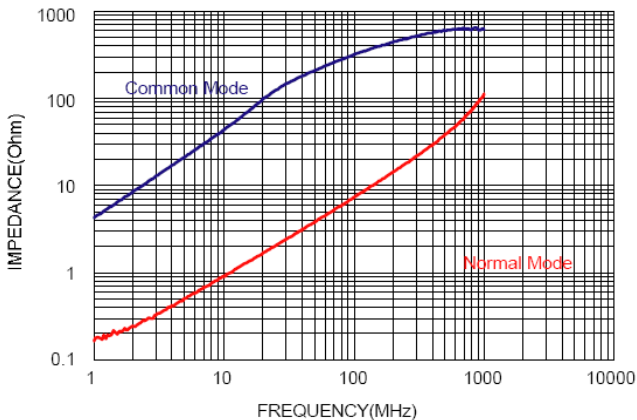
DB508-900-PF



DB508-201-PF



DB508-301-PF



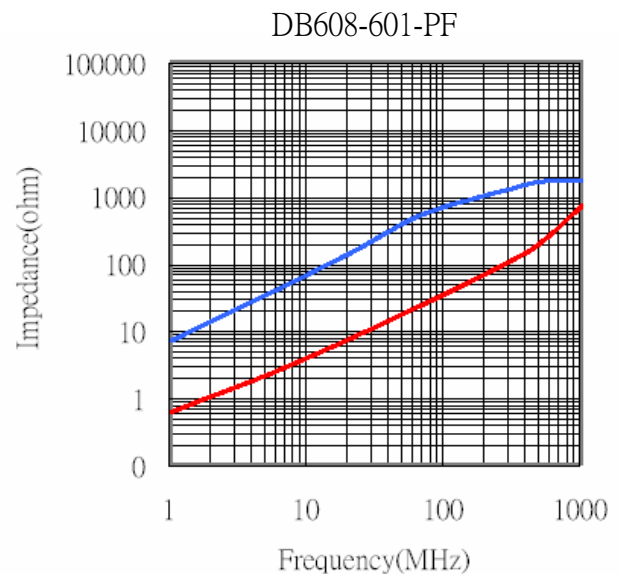
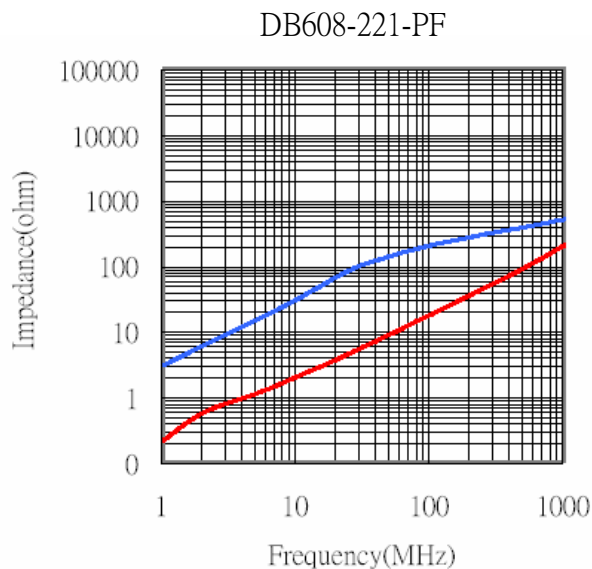
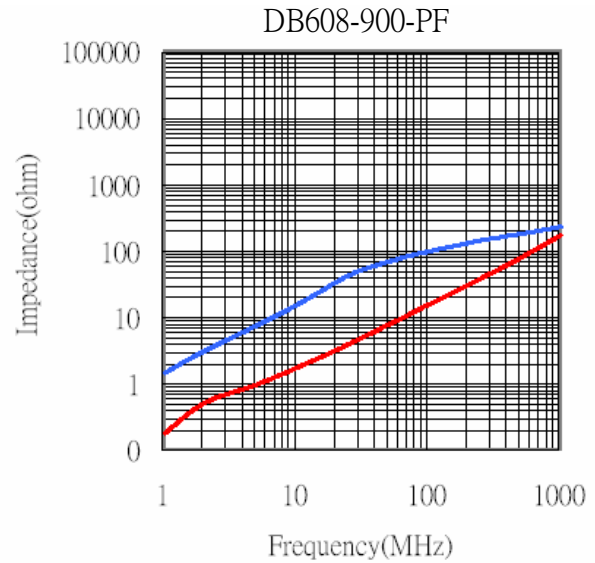
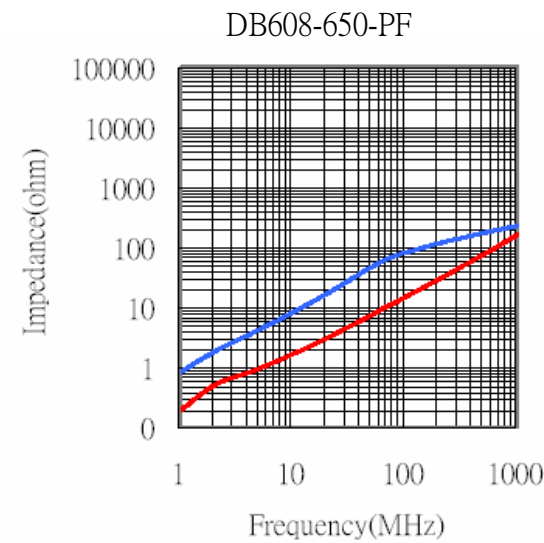
# SMD Common Mode Filters-DB Series

## DB series For EMC in High Speed Data Line

### Electrical Characteristics

Part Number	Impedance ( $\Omega$ )	Test Frequency (MHz)	Rdc Max ( $\Omega$ )	Idc Max (mA)	Withstand Voltage (Vdc)
DB608-300-PF	30 $\pm$ 35%	100	0.03	650	100
DB608-650-PF	65 $\pm$ 35%	100	0.06	650	100
DB608-900-PF	90 $\pm$ 35%	100	0.06	650	100
DB608-121-PF	120 $\pm$ 35%	100	0.08	650	100
DB608-221-PF	220 $\pm$ 35%	100	0.08	500	100
DB608-301-PF	300 $\pm$ 35%	100	0.12	500	100
DB608-501-PF	500 $\pm$ 35%	100	0.12	500	100
DB608-601-PF	600 $\pm$ 35%	100	0.12	500	100

### Impedance Vs Frequency Curve



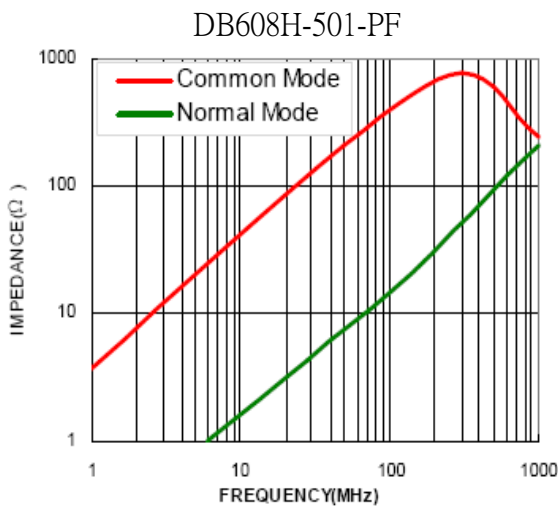
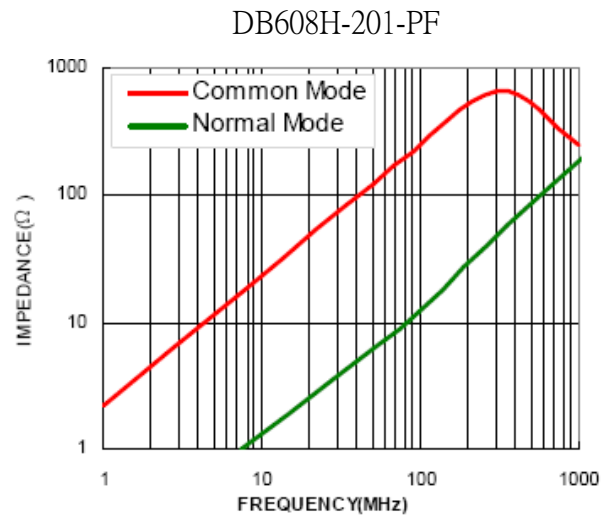
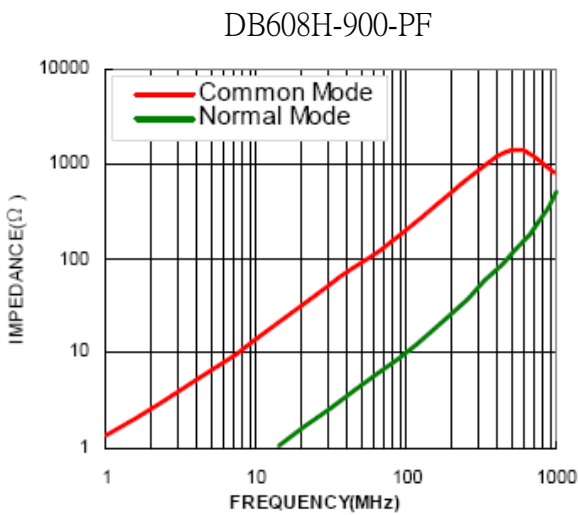
# SMD Common Mode Filters-DB Series

## DB series For EMC in High Speed Data Line

### Electrical Characteristics

Part Number	Impedance ( $\Omega$ )	Test Frequency (MHz)	Rdc Max ( $\Omega$ )	Idc Max (mA)	Withstand Voltage (Vdc)					
DB608H-900-PF	90Min	100	0.06	650	100					
DB608H-201-PF	200Min	100	0.08	650	100					
DB608H-501-PF	500 $\pm$ 35%	100	500	100	DB608H-901-PF	900 $\pm$ 35%	100	0.12	500	100
DB608H-901-PF	900 $\pm$ 35%	100	0.12	500	100					

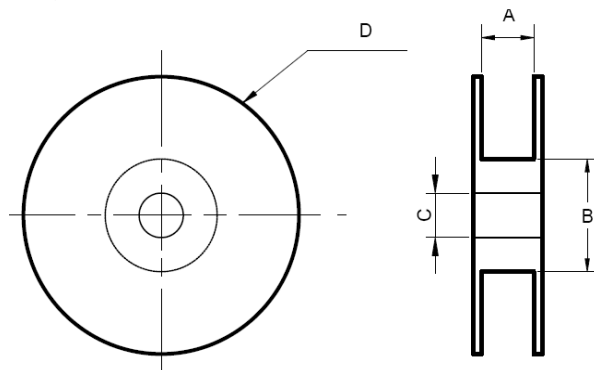
### Impedance Vs Frequency Curve



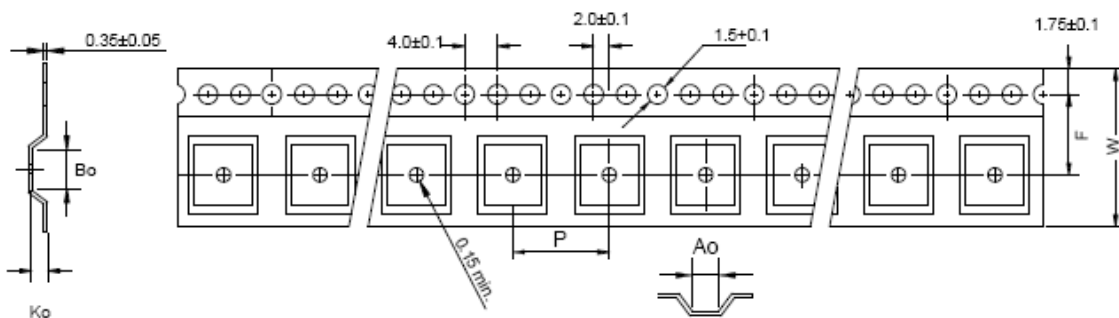
## SMD Common Mode Filters-DB Series

### PACKAGING

#### REEL Dimensions (mm)



#### Tape Dimensions (mm)



### TAPE DIMENSIONS AND PACKAGING QUANTITIES

TYPE	Tape Dimensions											Quantity/Reel
	Ao	Bo	T	W	P	F	Ko	A	B	C	D	
DB508	5.3±0.1	4±0.1	0.35	8±0.1	12±0.3	5.5±0.1	2.5±0.1	12.5±0.1	100	13±0.3	330	3000
DB608	6.7±0.1	6.3±0.1	0.35	12±0.1	16±0.3	7.5±0.1	3.5±0.1	16.5±0.1	100	13±0.3	330	1000
DB608H	6.7±0.1	6.3±0.1	0.35	12±0.1	16±0.3	7.5±0.1	4.3±0.1	16.5±0.1	100	13±0.3	330	1000