DB SERIES GENERAL PURPOSE FILTERS

INTRODUCTIONS

1. Designed as a general purpose filter providing effective EMI suppression.
2. All part numbers are UL recognized, CSA certified and VDE approved.

COMPONENTS

PARTNO.	Cx(uF)	L(mH)	Cy(pF)	R(Ω)
* 02DBAG5	0.1	1.1	3300	-
* 02DBAW5		2.8		
* 03DBAG5				
* 03DBAW5				
* 05DBAG5		2.9		
* 05DBAW5				
06DBDW3S	0.47	3.7	3300	330K
* 10DBAG5	0.1	1.5		-
* 10DBAW5				
* 10DBAS5				
10DBDG3S	0.47	1.45		330K
20DBAG5	0.33	0.7	3300	-
20DBAS5				
12DBBG5B	0.1	0.7	4700	1.0M
16DBCG5B		0.65		
16DBCW5B				
20DBCG5B		0.60		
20DBCS5B				
30DBCS5B	0.47	0.67	10000	

• UL & CSA approved only.
* OPTION 300V

MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
2,3,5A	15	30	38	45	45	40
6A	20	25	35	40	45	35
10A	20	30	35	50	50	45
* 10A	15	22	30	40	40	45
20A	13	20	25	40	45	45
12A (BG5B)	10	20	22	35	40	40
16A (CG5B) (CW5B)	10	18	20	35	50	30
20A (CG5B) (CS5B)	10	20	22	30	35	35
30A (CS5B)	10	28	30	45	50	35
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
2,3,5A	6	15	20	40	45	45
6A	10	18	20	30	35	40
10A	6	15	20	44	45	45
* 10A	12	18	20	35	35	40
20A	15	24	28	45	45	45
12A (BG5B)	5	12	15	35	45	35
16A (CG5B) (CW5B)	5	10	15	45	45	40
20A (CG5B) (CS5B)	4	10	15	45	45	40
30A (CS5B)	12	20	25	45	50	45

* 10DBDG3S, DW3S

SPECIFICATIONS

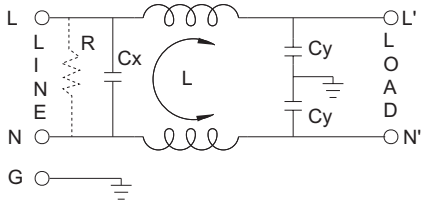
1. Maximum leakage current each
   line-to-ground @ 115VAC 60Hz: 0.25mA
   1.0mA (10000pF)
   @ 250VAC 50Hz: 0.45mA
   2.0mA (10000pF)
2. Hipot rating (one minute)
   line-to-ground: 2250VDC
   line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

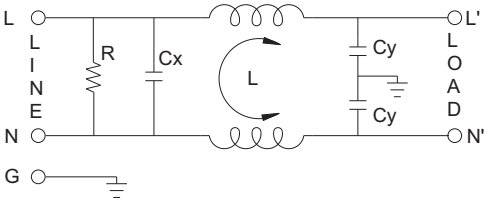
SERIES DIMENSIONS

CURRENT RATING	STYLE	DIMENSIONS IN INCHES/mm				
		A	B	C	D	E
2A	AG5	2.15 / 54.6	1.77 / 45.0	0.65 / 16.5	2.13 / 54.1	2.54 / 64.5
	AW5	0.96 / 24.4				
3A	AG5	2.54 / 64.5		0.77 / 19.5		2.50 / 63.5
	AW5	1.33 / 33.8				
5A	AG5	2.54 / 64.5				
	AW5	1.33 / 33.8				
6A	DW3S	2.55 / 64.77	2.08 / 52.83	1.29 / 32.77	1.575 / 40.01	0.61 / 15.49
10A	AG5	2.54 / 64.5	1.77 / 45.0	1.18 / 30.0	2.13 / 54.1	2.50 / 64.8
	AW5	1.33 / 33.8				
	AS5	3.10 / 78.7	2.02 / 51.3	1.18 / 30.0	2.38 / 60.5	2.77 / 70.3
	DG3S	3.14 / 79.80	2.10 / 53.30	1.28 / 32.50	1.575 / 40.00	0.61 / 15.50
20A	AG5	3.25 / 82.5	2.02 / 51.3	1.16 / 29.5	2.38 / 60.5	2.75 / 69.9
	AS5	3.37 / 85.6	2.02 / 51.3	1.15 / 29.2	2.38 / 60.5	2.77 / 70.3

CURRENT RATING	STYLE	DIMENSIONS IN INCHES/mm					
		A	B	C	D	E	F
12A	BG5B	2.13 / 54.00	2.54 / 64.5	1.34 / 34.0	1.77 / 45.0	1.18 / 30.0	-
16A	CG5B	2.40 / 61.00	2.81 / 71.5	1.79 / 45.5	2.02 / 51.3		-
	CW5B						3.94 / 100.0
20A	CG5B	2.95 / 75.00	3.34 / 84.8	2.04 / 51.8	2.52 / 64.0		-
	CS5B						
30A	CS5B	4.06 / 103.0	4.49 / 114.0	2.22 / 56.5	3.74 / 95.0	1.83 / 46.4	

ELECTRICAL SCHEMATIC

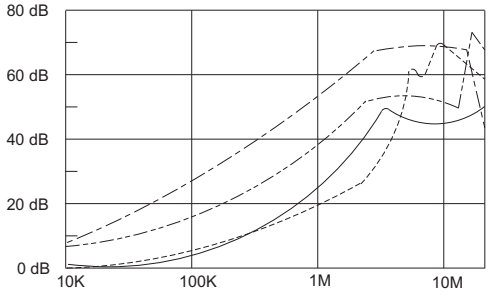




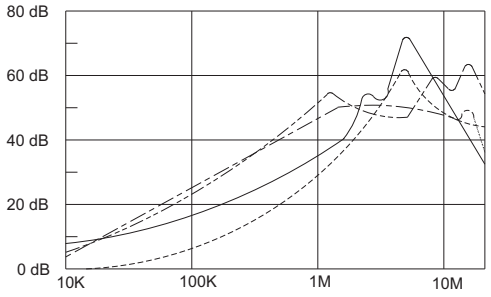
XXDBXX5B

INSERTION LOSS (TYPICAL)

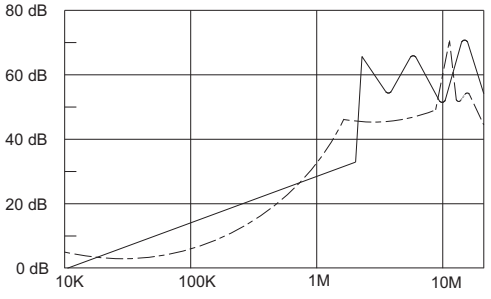
02DBAG5 ---- COMMON MODE ------- DIFF. MODE
03DBAG5 -·-·- COMMON MODE ——— DIFF. MODE



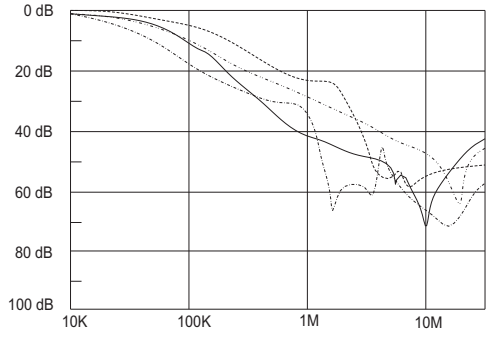
05DBAG5 ---- COMMON MODE ------- DIFF. MODE
10DBAG5 -·-·- COMMON MODE ——— DIFF. MODE



20DBAG5 -·-·- COMMON MODE ——— DIFF. MODE

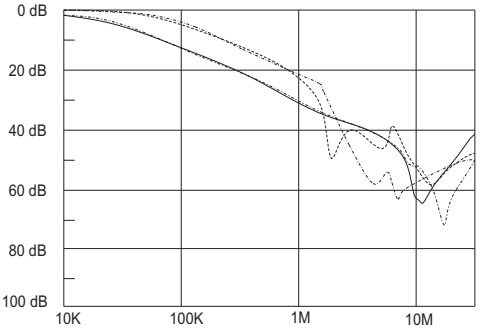


20DBCG5B
20DBCS5B ····· COMMON MODE ····· DIFF. MODE
30DBCS5B ····· COMMON MODE ——— DIFF. MODE

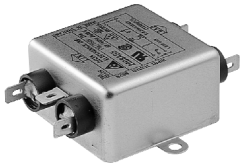


12DBBG5B ····· COMMON MODE ····· DIFF. MODE

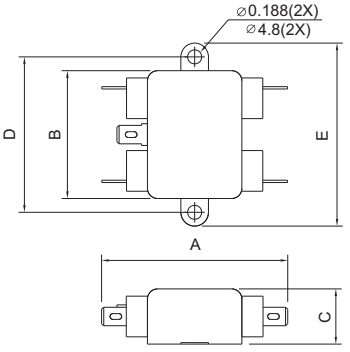
16DBCG5B
16DBCW5B ····· COMMON MODE ——— DIFF. MODE

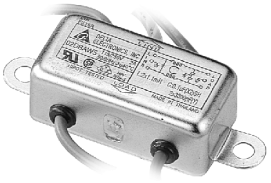


MECHANICAL CONSTRUCTION

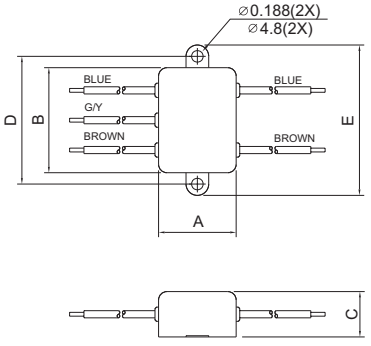


AG5



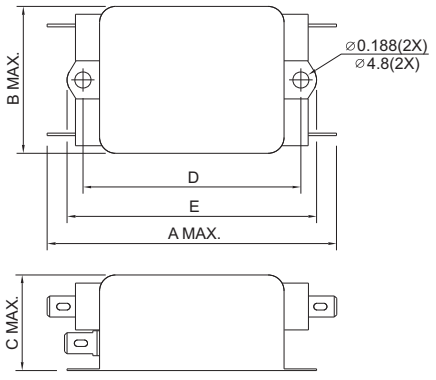


AW5



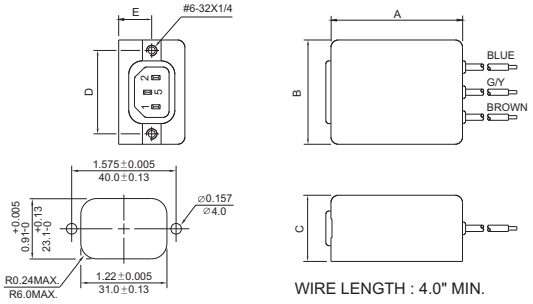


CG5





DW3S



SUGGESTED MOUNTING CUTOUT

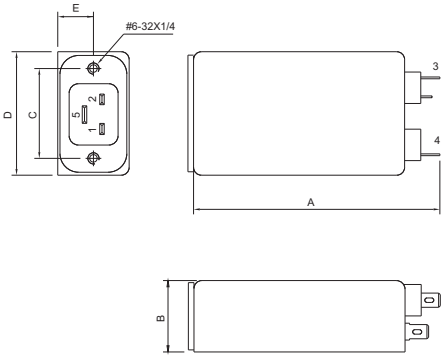
WIRE LENGTH : 4.0" MIN.

UNIT: INCH / mm

MECHANICAL CONSTRUCTION

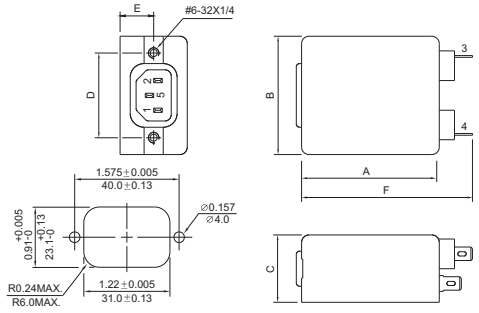


DG3





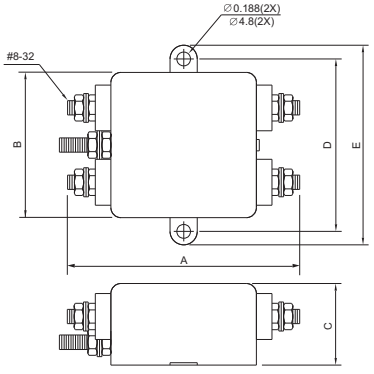
DG3S

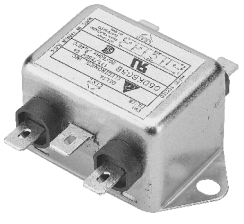


SUGGESTED MOUNTING CUTOUT

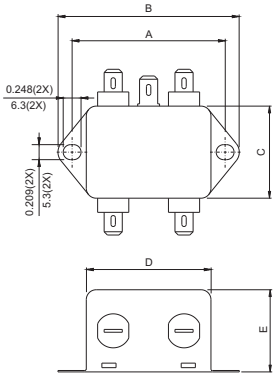


AS5





BG5B
(option wire style)



UNIT: INCH / mm

MECHANICAL CONSTRUCTION



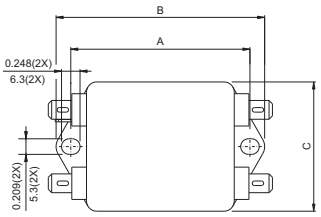
CG5B

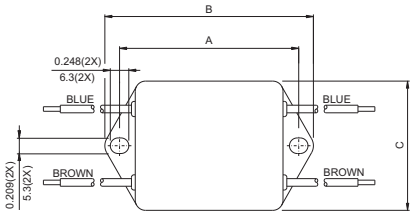


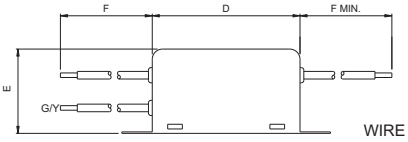
CW5B



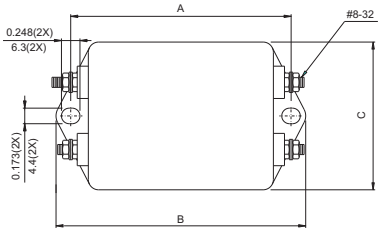
CS5B

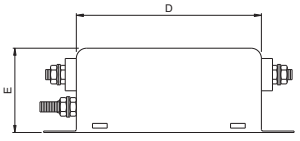






WIRE LENGTH : 4.0" MIN.





UNIT: INCH / mm