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ELECTRONICS

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Jameco Part Number 1816423

INTRODUCTION

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

COMPONENT

PART NO.	Cx (uF)	L (mH)	Cy (pF)	R (Ω)	
02DBAG5	0.1	1.1	3300	-	
02DBAW5					
03DBAG5		2.8			
03DBAW5					
05DBAG5		2.9			
05DBAW5					
05DBAS5A	0.47	4.0	4700	2.2M	
• 05BBDG3	0.22	2.1	3300	-	
• 05BBDW3				-	
06BBDW3S	0.47	3.7		330K	
10DBAG5	0.1	1.5		-	
10DBAW5				-	
10DBAS5				-	
10BBDW3S	0.47	1.45		330K	
* 10BBDG3S				330K	
16BBDG3	1.0	3.6	10000	200K	
* 16BDCG5	2.2				
20DBAG5	0.33	0.7	3300	-	
20DBAS5					
12DBBG5B	0.1	0.7	4700	1.0M	
12DBBW5B					
16BDCG5B		0.65			
16DBCW5B					
20BDCG5B		0.60			
20DBCS5B					
30DBCS5B	0.47	0.67	10000		

- UL & CSA approved only.
- * No safety approval yet

MINIMUM INSERTION LOSS IN

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
16A(DG3)	20	30	35	45	50	35
16A(CG5)	20	30	35	50	50	40
20A	13	20	25	40	45	45
12A(BG5B)(BW5B)	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	12	18	20	30	35	40
10A	6	15	20	44	45	45
* 10A	12	18	20	30	35	40
16A(DG3)	10	30	50	50	50	50
16A(CG5)	20	30	40	45	40	30
20A	15	24	28	45	45	45
12A(BG5B)(BW5B)	10	20	22	35	40	40
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

SPECIFICATION

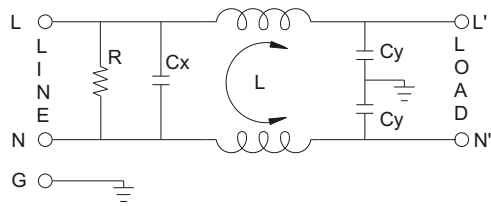
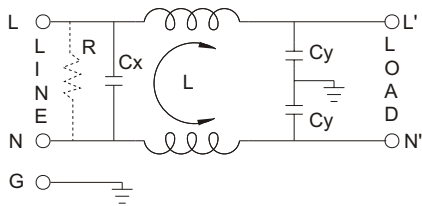
1. Maximum leakage current each
line-to-ground @ 115VAC 60Hz: 0.25mA
1.0mA (10000pF)
@ 250VAC 50Hz: 0.45mA
2.0mA (10000pF)
2. Hipot rating (one minute)
line-to-ground: 2250VDC
line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

SERIES DIMENSION

CURRENT RATING	STYLE	DIMENSIONS IN INCHES/mm				
		A	B	C	D	E
2A	AG5	2.15	1.77	0.65	2.13	2.54
		54.6				
	AW5	0.96		16.5		64.5
3A	AG5	24.4	45.0	19.5	54.1	63.5
		2.54				
	AW5	64.5				
5A	AG5	1.33	2.02	1.15	2.38	2.77
		33.8				
	AW5	85.6				
6A	AG5	3.37	51.3	29.2	60.5	70.3
		85.6				
	AS5A	2.55				
10A	AG5	2.08	52.83	1.29	1.575	0.61
		52.83				
	AW5	2.54				
16A	AG5	64.5	32.77	40.01	15.49	0.61
		1.77				
	AW5	30.0				
20A	AG5	3.10	51.3	30.0	60.5	70.3
		78.7				
	AS5	2.55				
30A	AG5	64.77	52.83	32.77	40.01	15.49
		2.06				
	DG3S	3.14				
16A	AG5	79.76	53.32	32.51	40.01	15.49
		4.35				
	DG3	110.49				
20A	AG5	3.75	52.32	39.12	74.68	84.84
		95.25				
	AS5	3.25				
12A	AG5	2.02	51.3	29.5	60.5	69.9
		82.5				
	AS5	3.37				
16A	AG5	85.6	51.3	29.2	60.5	70.3
		2.02				
	AS5	82.5				

CURRENT RATING	STYLE	DIMENSIONS IN INCHES/mm					
		A	B	C	D	E	F
12A	BG5B	2.13	2.54	1.34	1.77	1.18	-
	BW5B	54.00	64.5	34.0	45.0		3.94 100.0
16A	CG5B	2.40	2.81	1.79	2.02	30.0	-
	CW5B	61.00	71.5	45.5	51.3		3.94 100.0
20A	CG5B	2.95	3.34	2.04	2.52	1.83	-
	CS5B	75.00	84.8	51.8	64.0		-
30A	CG5B	4.06	4.49	2.22	3.74	46.4	-
	CS5B	103.0	114.0	56.5	95.0		-

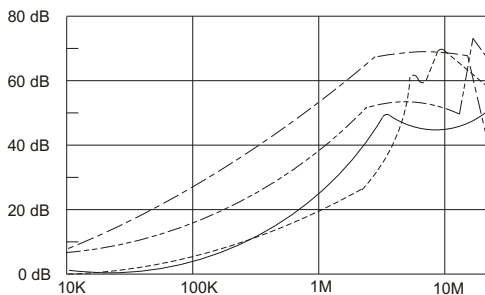
ELECTRICAL SCHEMATA



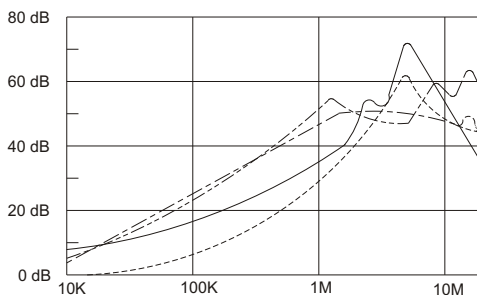
XXDBXX5B

INSERTION LOSS (TYPIC)

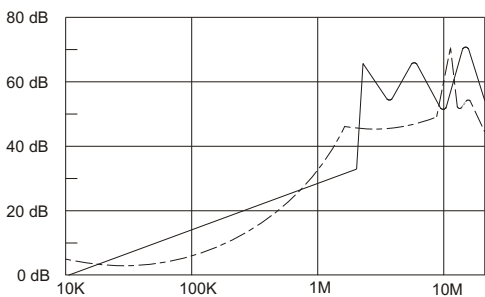
02DBAG5-----COMMON MODE -----DIFF. MODE
03DBAG5-----COMMON MODE -----DIFF. MODE



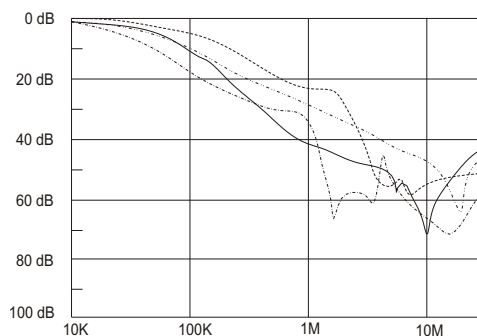
05DBAG5-----COMMON MODE -----DIFF. MODE
10DBAG5-----COMMON MODE -----DIFF. MODE



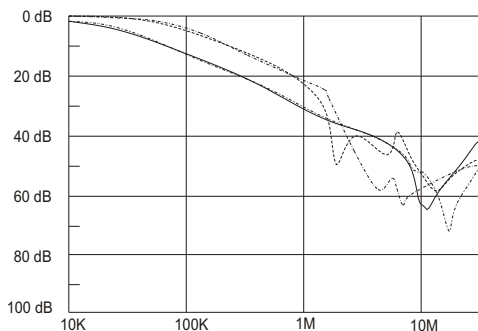
20DBAG5-----COMMON MODE -----DIFF. MODE



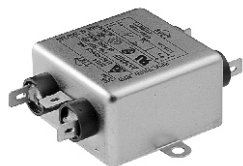
20DBC5B -----COMMON MODE -----DIFF. MODE
20DBCS5B -----COMMON MODE -----DIFF. MODE
30DBCS5B -----COMMON MODE -----DIFF. MODE



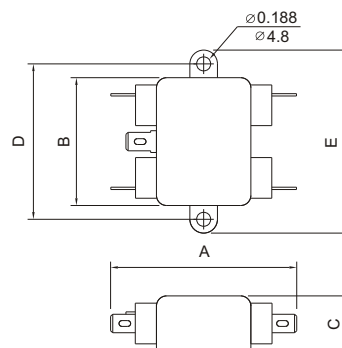
12DBBG5B -----COMMON MODE -----DIFF. MODE
12DBBW5B -----COMMON MODE -----DIFF. MODE
16DBC5B -----COMMON MODE -----DIFF. MODE
16DBCW5B -----COMMON MODE -----DIFF. MODE



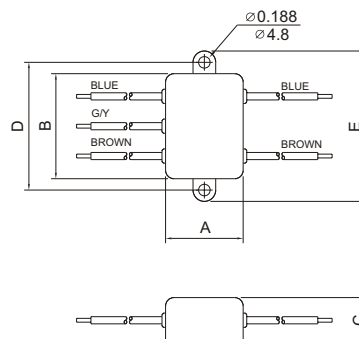
MECHANICAL CONSTRUCT



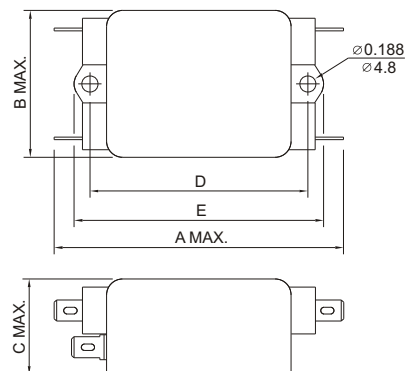
AG5



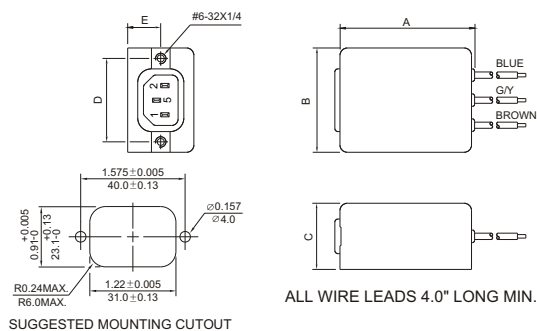
AW5



CG5

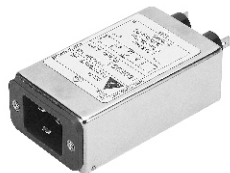


DW3S



UNIT: INCH
mm

MECHANICAL CONSTRUCT



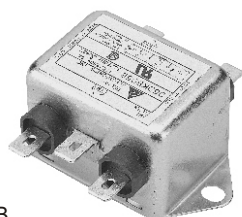
DG3



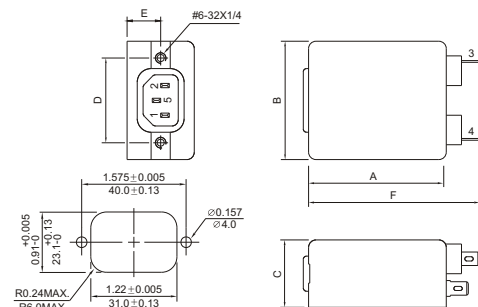
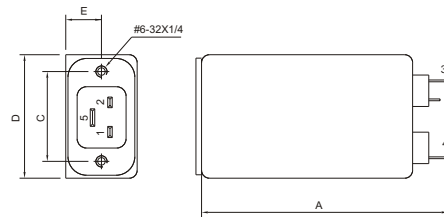
DG3S



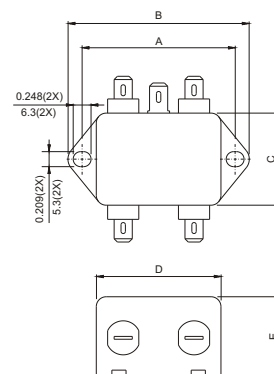
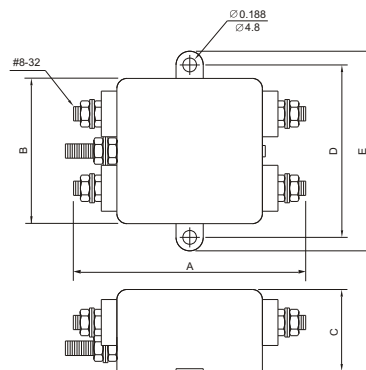
AS5



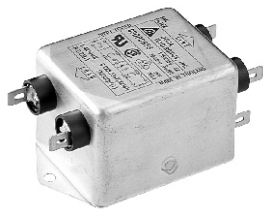
BG5B, BW5B
(option wire style)



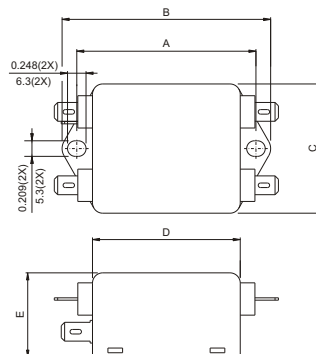
SUGGESTED MOUNTING CUTOUT



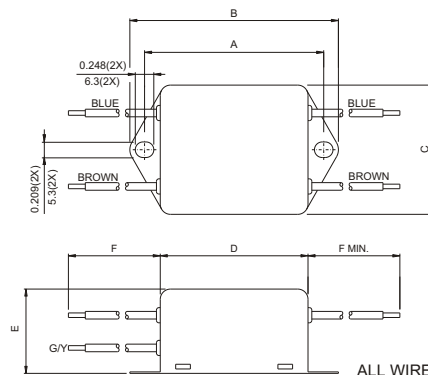
MECHANICAL CONSTRUCT



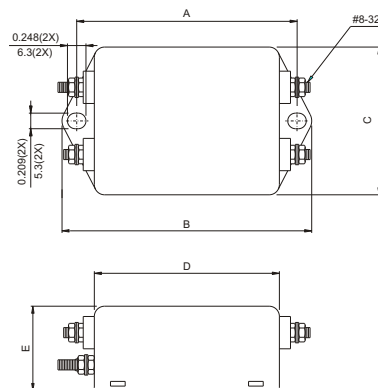
CG5B



CW5B



CS5B



UNIT: $\frac{\text{INCH}}{\text{mm}}$