



DR SERIES

HIGH PERFORMANCE FILTERS



INTRODUCTIONS

1. Two-stage filters provide high performance in suppressing both line-to-line and line-to-ground noise.
2. All part numbers are UL recognized, CSA certified and VDE approved.

COMPONENTS

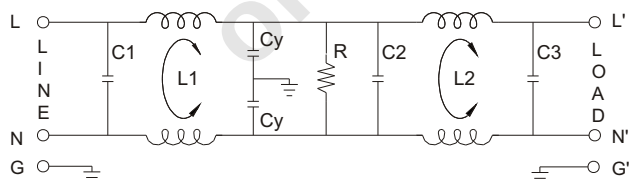
PART NO.	C1,C2,C3(uF)	L1,L2(mH)
02DRCG5	0.1	2.4
02DRCW5		
03DRCG5	0.22	1.7
03DRCW5		
03DRDG3S		2.8
03DRDW3S		
05DRCG5		1.6
05DRCW5		
05DRDG3		2.7
05DRDG3S		
05DRDW3S		1.3
10DRCG5		
10DRC5S	0.1	1.0
10DRCW5		
10DRDG3		
10DRDW3S		
*15DRCG5	0.22	0.9
•20DRGG5		
•20DRGS5	0.22	1.0

R: 2.2MΩ, Cy: 3300pF.

* No safety approval yet, R: 1.0MΩ

• VDE approved to 16A/250VAC, C2: 0.33 uF

ELECTRICAL SCHEMATIC



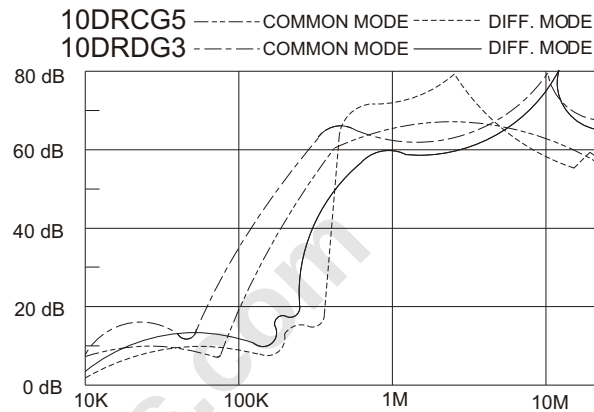
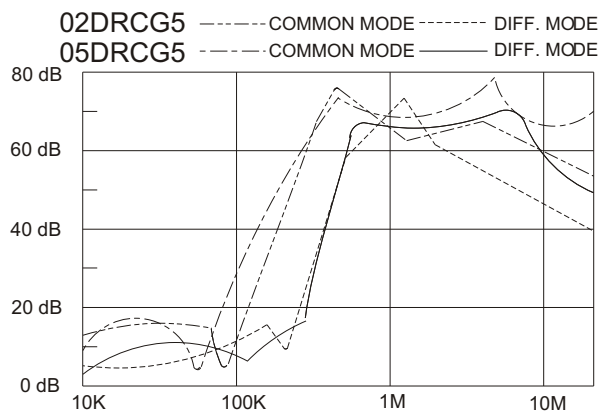
SPECIFICATIONS

1. Maximum leakage current each
line-to-ground @ 115VAC 60Hz: 0.25mA
@ 250VAC 50Hz: 0.45mA
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

PART NO.	DIMENSIONS IN INCHES/mm									
	A	B	C	D	E					
02DRCG5	3.25	1.82	1.15 29.2	2.38	2.77					
	82.5				70.4					
02DRCW5	2.08	46.2		60.5	2.77					
	52.8				70.4					
03DRCG5	3.75	2.02		2.94	3.34					
	95.2					84.8				
03DRCW5	2.58	2.04		74.7	84.8					
	65.5					51.8				
03DRDG3S	3.14	2.02	1.28	1.575	0.61					
	79.8				15.5					
03DRDW3S	2.55		32.5	40.00	15.5					
	64.8					51.3				
05DRCG5	3.75		1.15	2.94	3.34					
	95.2					84.8				
05DRCW5	2.58		2.04	74.7	84.8					
	65.5					51.8				
05DRDG3	4.33	2.20	1.27 32.3	1.575 40.00	0.63					
	110.0				55.9	16.0				
05DRDG3S	3.14	2.02			0.61					
	79.8					15.5				
05DRDW3S	2.55				1.52 38.6	2.94 74.4	3.34 84.5			
	64.8							51.3		
10DRCG5	3.75							1.27	1.575	0.63
	95.2									
10DRC5S	3.87		1.52	74.4				84.5		
	98.3								38.6	74.7
10DRCW5	2.50	2.08	1.79	2.94				3.36		
	63.5								45.5	74.7
10DRDG3	4.35	2.22	1.27	1.575	0.63					
	110.5					32.3	40.01	16.0		
15DRCG5	3.75	2.08	1.79	2.94	3.36					
	95.2					52.8	45.5	74.7	85.3	
20DRGG5	5.14	3.33	1.52	3.75	4.14					
20DRGS5	130.5	84.6	38.6	95.3	105.1					

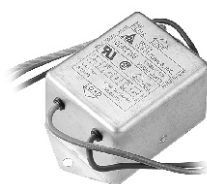
INSERTION LOSS (TYPICAL)



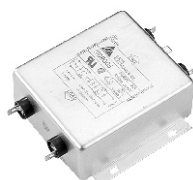
MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	.15	.50	1.0	5.0	10	30
2	40	60	65	55	50	40
3, 5A	40	60	65	65	60	45
3, 5A(S)	38	60	65	55	45	40
10A	30	60	65	50	45	40
15A	23	45	50	45	40	30
20A	20	35	40	50	55	40
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
2	5	50	65	60	54	46
3, 5A	12	60	65	60	54	46
3, 5A(S)	10	65	70	70	60	50
10A	7	53	60	55	45	40
15A	8	30	40	45	40	40
20A	7	55	50	50	55	40

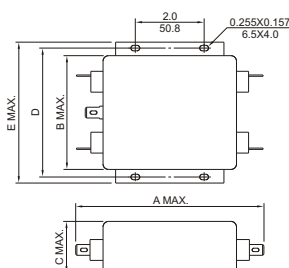
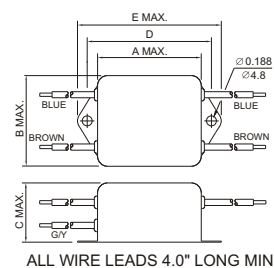
MECHANICAL CONSTRUCTION



CW5



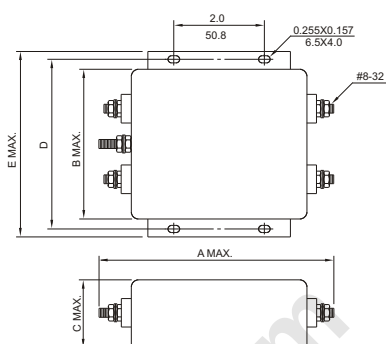
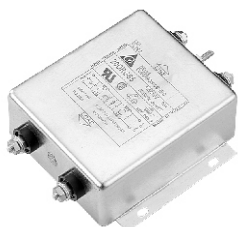
GG5



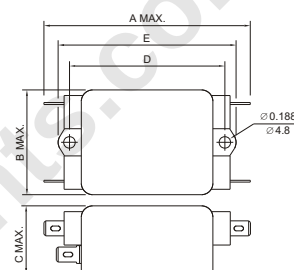
UNIT: $\frac{\text{INCH}}{\text{mm}}$

MECHANICAL CONSTRUCTION

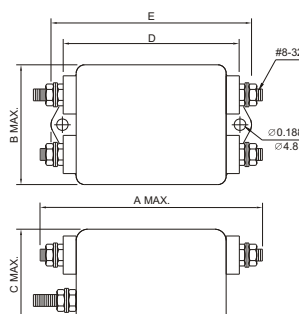
GS5



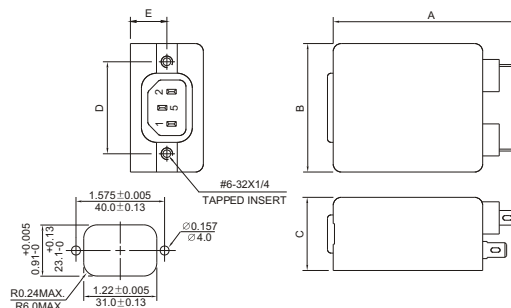
CG5



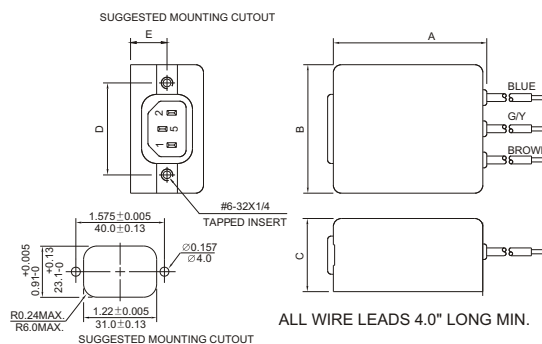
CS5



DG3/DG3S



DW3S



ALL WIRE LEADS 4.0" LONG MIN. UNIT: $\frac{\text{INCH}}{\text{mm}}$