DELTA

DC SERIES SWITCHING TRANSIENT FILTERS

INTRODUCTIONS

1.Two-stage filters provide high insertion loss for both line-to-line and line-to-ground emissions throughout the frequency range.

COMPONENTS

PART NO.	C1 (uF)	C2 (pF)	L1 (mH)	L2 (uH)	R (KΩ)
03DCCG5B/W5B	0.47	4700	9.8	160	470
06DCCG5B/W5B	1.0		7.8	110	220
12DCCG5B/W5B			3.25	50	
16DCGG5B/W5B/S5B			2.8	43	

SERIES DIMENSIONS

PART NO.	DIMENSIONS IN INCHES/mm						
	A	B	C	D	E	F	G
03DCCG5B/W5B	2.95 / 75.0	3.34 / 84.8	2.05 / 52.0	2.58 / 65.6	1.54 / 39.2	____	____
06DCCG5B/W5B	4.06 / 103.0	4.49 / 114.0	2.22 / 56.5	3.76 / 95.5	1.83 / 46.4	____	____
12DCCG5B/W5B	6.02 / 152.9	5.63 / 143.0	2.05 / 52.0	5.30 / 134.7	1.78 / 45.3	____	____
16DCCG5B/W5B/S5B	3.90 / 99.0	4.31 / 109.5	4.72 / 120.0	2.01 / 51.0	2.62 / 66.5	3.39 / 86.0	2.28 / 58.0

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
3A	25	45	55	55	55	35
6A	25	45	50	60	60	40
12A	20	30	40	55	60	25
16A	15	20	30	60	50	30
DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM						
3A	45	60	60	70	70	50
6A	50	60	60	60	60	50
12A	35	55	60	60	60	45
16A	40	55	55	60	60	50

MECHANICAL CONSTRUCTION

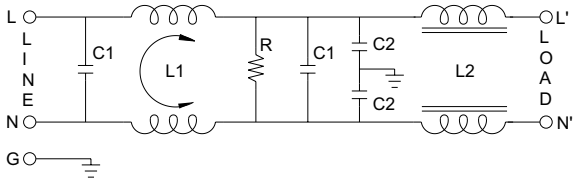


CG5B

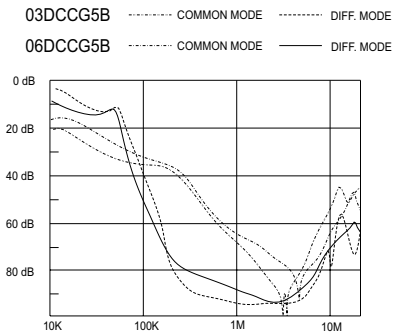
SPECIFICATIONS

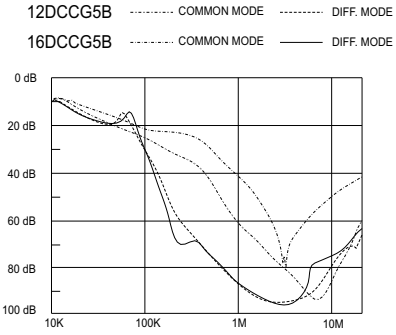
1. Maximum leakage current each
   line-to-ground @ 115VAC 60Hz: 0.40mA
   @ 250VAC 50Hz: 0.80mA
2. Hipot rating (one minute)
   line-to-ground: 2250VDC
   line-to-ine: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

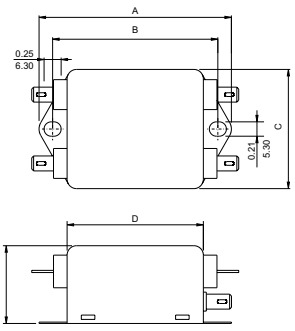
ELECTRICAL SCHEMATIC



INSERTION LOSS (TYPICAL)



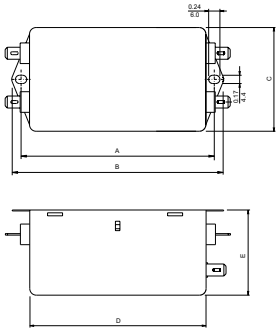




MECHANICAL CONSTRUCTION

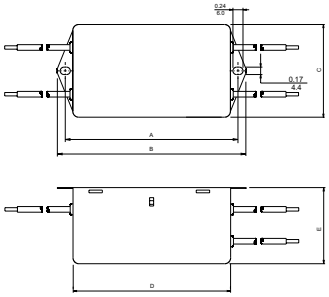


CG5B





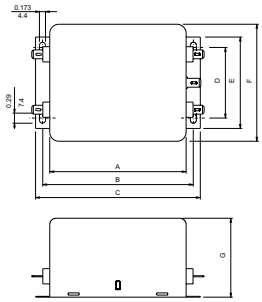
CW5B



ALL WIRE LEADS 4.0" LONG MIN.

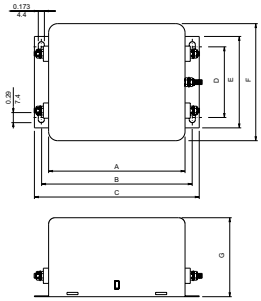


GG5B



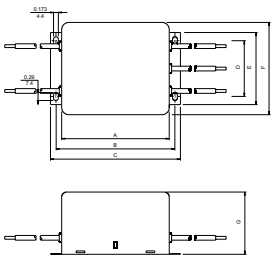


GS5B





GW5B



ALL WIRE LEADS 4.0" LONG MIN.

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