HGN-375(A, B, C)

FUSED WITH ON/OFF SWITCH, IEC 60320 POWER INLET SOCKET WITH FUSE/S (5X20MM)

FEATURES

The HGN-375(A, B, C) series offers filters in three different package styles - Flange mount (sides), Flange mount (top/bottom), & snap-in type. This cost effective series offers more component options with better performance in curbing common and differential mode noise. These filters are equipped with IEC connector, fuse holder for one or two 5 x 20 mm fuses, 2 pole on/off switch and fully enclosed metal housing.

These filters are also available for Medical equipment with low leakage current and have been designed to bring various medical equipments into compliance with EN55011 and FCC Part 15J, Class B conducted emissions limits.

APPLICATIONS

Computer & networking equipment, Measuring & control equipment, Data processing equipment, laboratory instruments, Switching power supplies, other electronic equipment.

TECHNICAL DATA

- Rated Voltage: 125/250VAC
- Rated Current: 1A, 2A, 3A, 4A, 6A, 10A
- Power Line Frequency: 50/60Hz
- Max. Leakage Current each

Line to Ground:

@ 115VAC 60Hz: 0.5mA, max
@ 250VAC 50Hz: 1.0mA, max
@ 125VAC 60Hz: 2μA*, max
@ 250VAC 50Hz: 5μA*, max

- Hipot Rating (one minute)

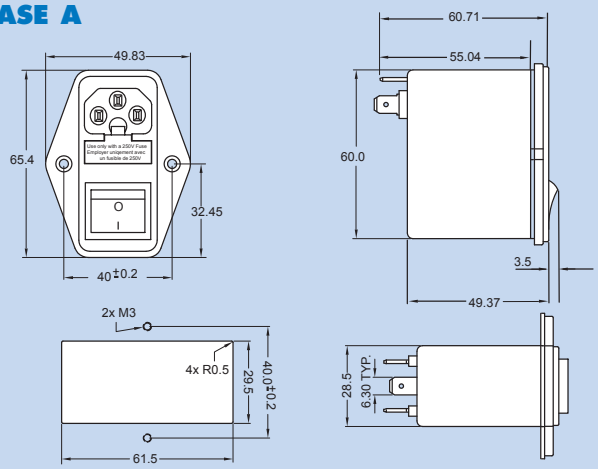
Line to Ground: 2250VDC
Line to Line: 1450VDC

- Temperature Range: -25C to +85C

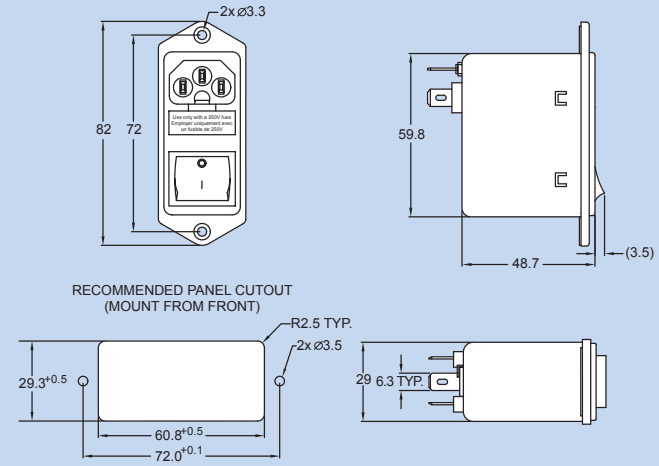
* Medical application

MECHANICAL DIMENSIONS (Unit: mm)

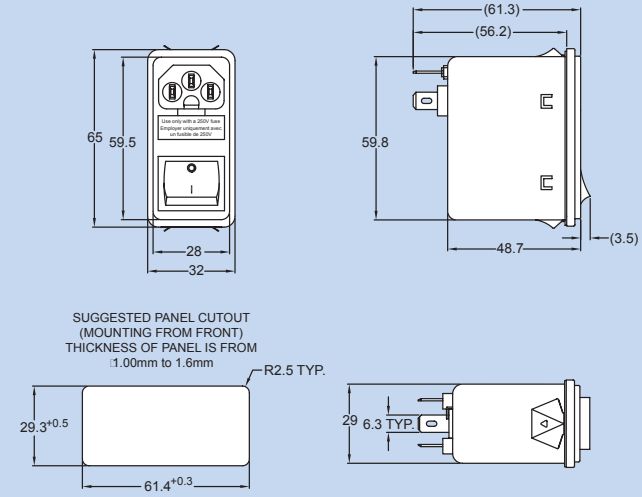
CASE A



CASE B



CASE C



Specifications subject to change without notice. Dimensions (mm). See Appendix A for recommended power cord. See PDI full line catalog for detailed specifications on power cords.

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Power Dynamics, Inc.

HGN-375(A,B,C) Series Example & Ordering Code

HGN-375 [A] [01] [Q] - [1] [5] - [1] [A]

CASE CODE:
- FLANGE MOUNT, SIDES = A
- FLANGE MOUNT, TOP/BOTTOM = B
- SNAP-IN = C

CURRENT RATING (A):
- = 01
- = 02
- = 03
- = 04
- = 06
- = 10**

TERMINAL:
- 6.3/0.25 — QUICK CONNECT = Q
- 4.0/0.187 — SOLDER = S
- UL 1015, 18AWG STRANDED, 4" — WIRE = W

FUSE & SWITCH OPTIONS:
- BLACK, NON-ILLUMINATED SWITCH, 1 FUSE (5X20MM) = 1
- BLACK, NON-ILLUMINATED SWITCH, 2 FUSE (5X20MM) = 2
- RED ILLUMINATED SWITCH, 1 FUSE (5X20MM) = 3
- RED ILLUMINATED SWITCH, 2 FUSE (5X20MM) = 4
- GREEN ILLUMINATED SWITCH, 1 FUSE (5X20MM) = 5
- GREEN ILLUMINATED SWITCH, 2 FUSE (5X20MM) = 6

OPTIONS:
- NO BLEEDER RESISTOR & NO GROUND CHOKE = 0
- BLEEDER RESISTOR (1/4 W, 1M) = 5
- BLEEDER RESISTOR (1/2 W, 1M) = 6
- BLEEDER RESISTOR (1/4 W, 1M) & GROUND CHOKE = 7*
- BLEEDER RESISTOR (1/2 W, 1M) & GROUND CHOKE = 8*
- GROUND CHOKE (400µH) = 9*

COMPONENT LOCATIONS:
- STANDARD TYPE = 1
- STANDARD TYPE; ADDITIONAL C(X) BEHIND L = 2+
- WITHOUT C(Y); C(X) ONLY = 1M
- WITHOUT C(Y); ADDITIONAL C(X) BEHIND L = 2M+

ATTENUATION CODE TABLE:

Non-Medical applications, select Attenuation code with corresponding component values from the table.

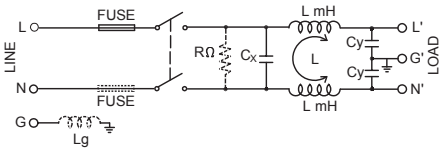
Capacitor C(x)	Capacitor C(y)	1A (mH)	2A (mH)	3A (mH)	4A (mH)	6A (mH)	10A (mH)	
0.1µF	2200pF	6.5	3.8	2.5	1.6	0.8	0.2	= A
0.1µF	3300pF	3.7	2.7	1.8	1.3	0.8	0.3	= B
0.22µF	2200pF	7.5	5.5	2.5	2.0	0.8	0.4	= C
0.22µF	3300pF	10.5	6.5	2.5	2.7	1.05	0.4	= D

Medical applications, select Attenuation code with corresponding component values from the table.

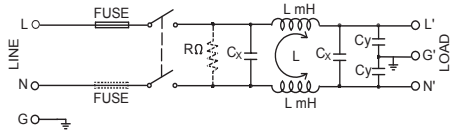
Capacitor C(x)	1A (mH)	2A (mH)	3A (mH)	4A (mH)	6A (mH)	10A (mH)	
0.1µF	6.5	3.8	2.5	1.6	0.8	0.2	= M1
0.1µF	3.7	2.7	1.8	1.3	0.8	0.3	= M2
0.22µF	7.5	5.5	2.5	2.0	0.8	0.4	= M3
0.22µF	10.5	6.5	2.5	2.7	1.05	0.4	= M4

SCHEMATICS

1

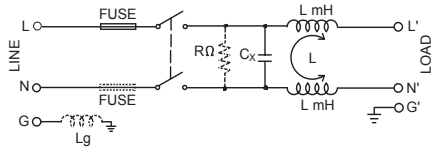


2

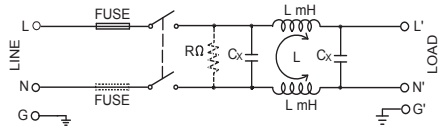


MEDICAL SCHEMATICS

1M



2M



+Contact PDI for attenuation numbers
**UL and cUL approved to 10A; VDE approved to 6.3A
*Not available for Schematic 2 & 2M

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HGN-375(A,B,C) Series Attenuation Tables

Non-Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Current Rating	Comm. Mode(L-G) in MHz						Diff. mode(L-L) in MHz					
		.15	.5	1	5	10	30	.15	.5	1	5	10	30
A	1A	34	38	40	32	26	11	8	25	37	71	62	12
	2A	29	32	55	48	49	51	8	23	34	68	64	14
	3A	28	36	39	45	48	39	8	19	27	58	65	15
	4A	22	27	30	48	54	47	8	19	28	66	72	34
	6A	18	24	28	44	50	47	8	18	26	43	51	31
	10A	8	14	18	33	41	39	8	18	25	29	38	31
B	1A	29	33	47	53	57	41	8	23	35	73	58	14
	2A	28	37	44	52	56	41	8	19	27	74	59	17
	3A	25	33	46	53	57	44	8	19	29	63	62	13
	4A	19	24	27	43	53	38	8	18	25	57	60	32
	6A	19	29	36	49	55	46	8	18	23	50	54	24
	10A	11	19	24	41	53	36	8	18	24	51	46	25
C	1A	37	44	52	47	48	49	17	35	48	65	57	36
	2A	31	34	48	50	52	50	16	33	48	63	62	17
	3A	25	30	34	45	47	39	15	27	37	59	57	21
	4A	27	28	33	50	56	48	14	26	35	51	57	24
	6A	19	25	30	43	51	44	15	25	32	60	59	29
	10A	14	19	24	41	54	42	14	25	33	45	56	31
D	1A	36	54	53	45	32	40	26	60	84	49	36	17
	2A	35	42	50	51	57	59	15	32	45	70	71	14
	3A	25	31	37	48	52	37	15	27	37	60	56	23
	4A	26	32	41	49	51	45	14	26	36	64	57	23
	6A	19	27	32	47	56	45	14	25	31	56	59	31
	10A	14	18	22	38	49	41	17	42	64	58	49	29

*This table applies to schematic 1 only.
Visit our website or contact PDI for other schematic attenuation numbers.

Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Current Rating	Comm. Mode(L-G) in MHz						Diff. mode(L-L) in MHz					
		.15	.5	1	5	10	30	.15	.5	1	5	10	30
M1	1A	35	38	40	32	20	24	8	25	37	71	62	12
	2A	30	34	36	31	18	22	8	23	34	68	64	14
	3A	27	34	36	29	23	22	8	19	27	58	65	15
	4A	22	27	28	29	26	13	8	18	26	43	51	31
	6A	20	25	26	27	25	32	8	18	25	29	38	31
	10A	9	13	19	19	17	13	7	17	23	39	47	27
M2	1A	28	35	37	28	22	24	8	20	29	61	48	15
	2A	25	33	58	51	56	41	8	20	30	57	47	13
	3A	11	16	18	18	16	12	8	18	24	47	36	24
	4A	19	23	24	27	27	21	8	19	27	47	45	30
	10A	11	16	18	18	16	12	8	18	24	47	36	24
M3	1A	37	45	41	22	30	19	17	35	47	57	44	34
	2A	31	35	37	31	37	15	16	34	48	57	54	18
	3A	25	29	30	26	19	12	15	28	38	52	47	19
	4A	24	27	28	30	27	22	14	26	37	44	45	23
	6A	19	24	25	25	23	17	15	26	33	50	44	27
	10A	14	16	18	20	20	15	14	26	34	37	35	26
M4	1A	17	36	49	65	47	23	38	42	42	25	43	16
	2A	35	38	40	33	20	24	16	33	45	66	53	14
	4A	26	30	31	27	19	14	14	27	37	60	46	20
	6A	19	24	25	25	24	17	14	25	33	45	42	29

*This table applies to schematic 1M only.
Visit our website or contact PDI for other schematic attenuation numbers.