Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

The CHAMELEON Adaptable Module for DC Applications

P Series

UL Recognized
CSA Certified
TUV Certified

P Series

- Full flexibility of design in the most compact package
- General purpose designed for DC applications
- Mates with a standard MOLEX* connector (HCS Series) which prevents accidental connection to AC Power

Ordering Information

PS000DD3D

- Shield Options: D = Complete Shield *(DC Version)*
- Current Rating: 3 = 3A; 6 = 6A; X = 10A
- Filter Type: D = DC version
- Fuse Options: D = Dual fuse; S = Single fuse
- Input Voltage Select: 0 = Single voltage
- Switch Options: 0 = No switch
- Extender Options: 0 = None
- Mounting Style: E = Mounting ears; S = Snap-in

Specifications

Hipot rating (one minute):
Line to Ground: 2250 VDC
LIne to Line: 1450 VDC

Rated Voltage (max): 80 VDC

Rated Current: 3 to 10A

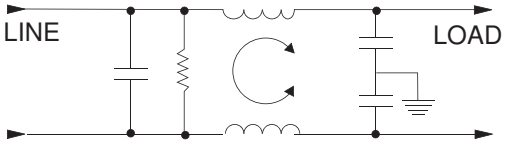
Fuseholder*: .25 x 1.25" or 5 x 20 mm

Terminals: .187 x .032 [*4.8 x .81*] terminal tabs

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

*Holds one or two fuses. Conversion clip provided on fuseholder for single fuse models.

Electrical Schematic



Available Part Numbers

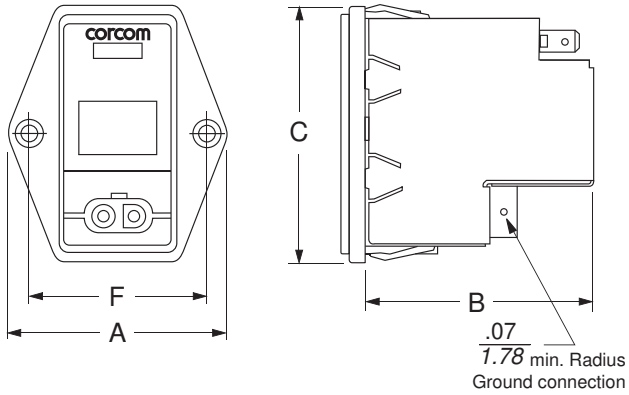
PE000DD3D	PS000DD3D
PE000DD6D	PS000DD6D
PE000DDXD	PS000DDXD
PE000SD3D	PS000SD3D
PE000SD6D	PS000SD6D
PE000SDXD	PS000SDXD

*MOLEX is a trademark of MOLEX Incorporated

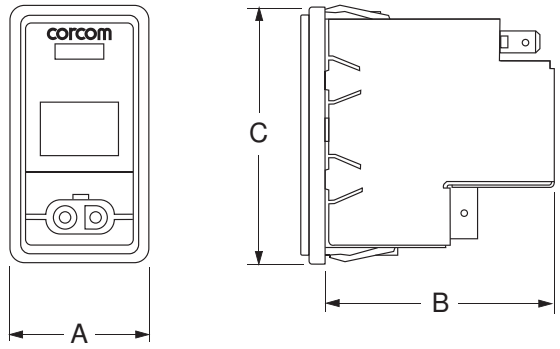
P Series

Case Styles

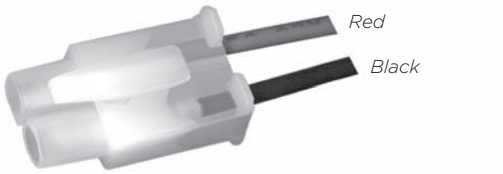
PE



PS



Accessories



GA210 – (shown above) Pre-assembled connector housing with two 36" long 18 gauge wires to mate with P Series DC filters

MOLEX Part Numbers:

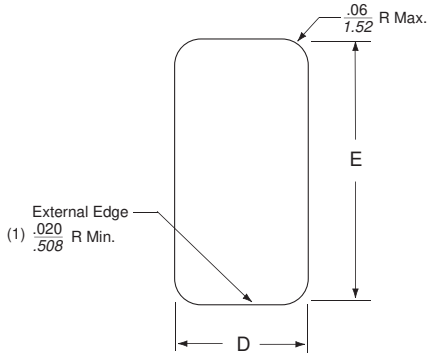
03-12-1026	DC Connector housing for P Series
18-12-1222	Female terminals (2 per connector)

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D *see note	E *see note	F (ref.)
PE	**1.98**	**2.13**	**2.31**	**1.12**	**2.201**	**1.575**
	50.29	*54.10*	*58.67*	*28.45*	*55.91*	*40.0*
PS	**1.24**	**2.13**	**2.31**	**1.06**	**2.201**	-
	31.50	*54.10*	*58.67*	*26.93*	*55.91*	

*+ .008 / – .000 [*+.20 / – .00*]

Recommended Panel Cutouts



Note: The external edges (installation side) on the "D" sides of the cutout should have a minimum .020" radius. For optimal retention against extraction, the corresponding inner edge should be sharp, without paint or coatings. Edge coatings, including anodization are also discouraged for good shield contact.

Performance Data

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz .03	.1	.15	.5	1	3	5	10	30
3A	7	17	21	27	33	40	44	50	32
6A	-	8	12	17	23	32	36	44	30
15A	-	3	5	10	13	23	27	35	27

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .1	.15	.5	1	3	5	10	30
3A	2	4	12	15	30	48	50	45
6A	2	4	12	15	22	42	55	45
15A	2	4	12	15	22	42	55	45

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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