

The CHAMELEON Adaptable Module for General Purpose, DC Applications

# P Series



UL Recognized  
CSA Certified  
TUV Approved



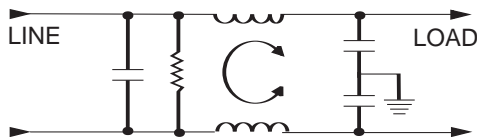
## P Series

The DC version of the "P Series" power entry module offers full flexibility of design in the most compact package. It is a general purpose filter specifically designed for DC applications up to 80VDC. This module comes in snap-in or flange mount versions for easy mounting. It also allows for a single or dual fuse option.

The DC version of the "P Series" was designed to address the increasing demand for filtering on central office equipment and customer premises equipment, but not restricted to this type of equipment. Some examples include routers, desktop servers and switches multiplexors, aggregators, concentrators, etc.

The DC versions of the P Series mates with a standard MOLEX connector (HCS Series) which is readily available and better prevents accidental connection to AC power.

## Electrical Schematic



## Specifications

<b>Hipot rating (one minute):</b>	
line-to-ground	2250 VDC
line-to-line	1450 VDC
<b>Fuseholder:</b>	1/4" x 1 1/4" or 5 x 20 mm
Accepts one or two fuses*	
<b>Rated voltage (max):</b>	80 VDC
<b>Terminals:</b>	.187 x .032 [4.8 x .81] terminal tabs
<b>Operating Ambient Temperature Range:</b>	
(@ rated current $I_r$ )	-10°C to +40°C

In an ambient,  $T_a$ , higher than +40°C, the maximum operating current,  $I_o$ , is as follows:  $I_o = I_r \sqrt{\frac{85 - T_a}{45}}$

\* Conversion clip provided on fuseholder for single fuse models.

### Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

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
10A	-	3	5	10	13	23	27	35	27

Line-to-line in 50 ohm circuit

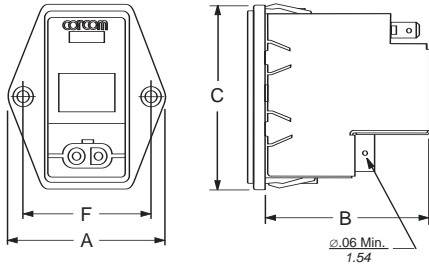
Current Rating	Frequency-MHz							
	.10	.15	.5	1	3	5	10	30
3A	2	4	12	15	30	48	50	45
6A	2	4	12	15	22	42	55	45
10A	2	4	12	15	22	42	55	45

The CHAMELEON Adaptable Module for General Purpose, DC Applications (Continued)

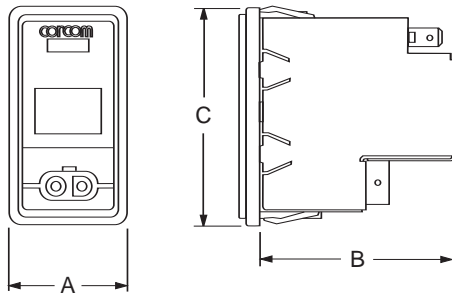
# P Series

## Case Styles

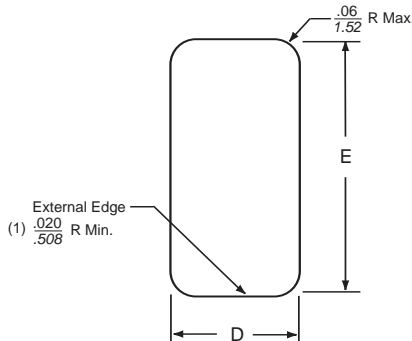
### PE



### PS



## Recommended Panel Cutout



**Note:** The external edges (installation side) on the "D" sides of the cutout should have a minimum .020" radius. For optional 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.

## Part Numbers

PE000DD3D	PS000DD3D
PE000DD6D	PS000DD6D
PE000DDXD	PS000DDXD
PE000SD3D	PS000SD3D
PE000SD6D	PS000SD6D
PE000SDXD	PS000SDXD
DC Connector No.	GA210

## Case Dimensions

Part No.	A (max)	B (max)	C (max)	D <i>+0.008/-0.000</i> <i>+0.20/-0.00</i>	E <i>+0.008/-0.000</i> <i>+0.20/-0.00</i>	F
PE	1.980 50.29	2.130 54.10	2.310 58.67	1.120 28.45	2.201 55.91	1.575 40.00
PS	1.240 31.50	2.130 54.10	2.310 58.67	1.120 28.45	2.201 55.91	—

## Ordering Information

**P S 0 0 0 D D 3 D**

- Shield Options**  
D = Complete shield (DC version)
- Filter Current**  
3 = 3 amps  
6 = 6 amps  
X = 10 amps
- 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

## Mating Connectors



### CORCOM Part Number:

**GA210** - Custom connector assembly with 2, 36" long 18 gauge wires to mate with P Series filter

### MOLEX Component Part Numbers:

03-12-1026 Connector housing to mate with P Series  
18-12-1222 Female Terminal (2 needed per housing)

DC Filters