The CHAMELEON Adaptable Module for General, High Performance or Medical Applications

P Series

UL Recognized
CSA Certified
VDE Approved



PS Unfiltered PS000SS30 PS Filtered

P Series

The P series power entry module offers fuller flexibility of design in a more compact package.

As the first 10 amp module to provide all five power entry functions in one compact design, the CHAMELEON module readily adapts to its environment and the needs of international markets.

- Snap-in or flange mounting
- IEC power line connector
- Both North American and European fusing capabilities
- Two voltage selections
- Optional DPST on/off switch
- Filtering options for general purpose, medical and high-performance applications.

The CHAMELEON modules compact design and modular construction will allow you to select the power entry features you require — without altering the panel cutout. And the Chameleon module, with adapters, will fit any standard panel cutout.

The CHAMELEON module has four filter options.
S models offer protection for general purpose applications where line-to-ground and line-to-line noise must be controlled. The filters are designed to meet low leakage requirements of VDE portable equipment. They are available in current ratings of 3, 6 and 10 amps.

H models provide susceptibility protection without leakage current associated with line-to-ground capacitors and are designed to allow equipment to meet UL 544 for patient care and non-patient care equipment.

Also available is an interconnection block, B models. The block connects the voltage selection terminals of an unfiltered CHAMELEON module with a switch and an IEC connector to reduce external wiring.

L Models – High performance medical filter versions that are designed to help bring most digital equipment (including switching power supplies) into compliance with EN55022, Level B (as well as FCC part 15J, Class B) conducted emissions limits while additionally allowing equipment to meet UL544, UL2601and EN60601 for patient care equipment and non-patient care equipment. They are available with current ratings of 6 and 10 amps. High performance versions are available with horizontal mounting ears, single voltage, complete can shield with options for switch, fuses and current ratings only. Extenders are not available.

Z Models – High performance filter versions are designed to help bring most digital equipment (including switching power supplies) into compliance with EN55022, Level B (as well as FCC Part 15J, Class B) conducted emissions limits. They are available with current ratings of 6 and 10 amps. High performance versions are available with horizontal mounting ears, no extenders, single voltage, complete can shield with options for switch, fuses and current ratings only.



PE Filter with "A" Shield

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

P Series

P Series Part Number Schematic

Part numbers are constructed by selecting the alphanumeric character which represents the desired feature.

Mounting Style	Extender Options*	Switch Options ‡	Voltage Select **	Fuse Options	Filter Type	Filter Current	Shield Options*
P	S	J	0	X	S	S	6	0

Mounting Style
E = Mounting ears (Horizontal)
S = Snap-in
M = Mounting ears (Vertical)

Extender Option
0 = None
C = FN260
J = J Series
L = L Series

Switch Option
0 = Blank
S = Double pole single throw (DPST)

Input Voltage Select
0 = Single voltage
S = Dual voltage ** select (SMPS)
X = Dual voltage ** select (series/parallel)

Fuse Options
D = Dual fuse
S = Single fuse

Filter Type
0 = No filter
B = Interconnection block †
H = Medical Filter
L = High Performance Medical
S = General purpose
Z = High Performance ***

Filter Current
0 = No filter
3 = 3 amps
6 = 6 amps
X = 10 amps

Shield Options
0 = No shield
A = Filter shield
B = Complete Shield
C = Complete can (for L & Z models)

Notes:

An additional extender which allows the P series to adapt to Corcom's L series product cutout as well as the panel cutout of Schaffner and Delta parts is also available.

• Extenders cannot be added to units with B shields

† When using the interconnection block, the last 3 digits of the part number are BX (0, A, or B)

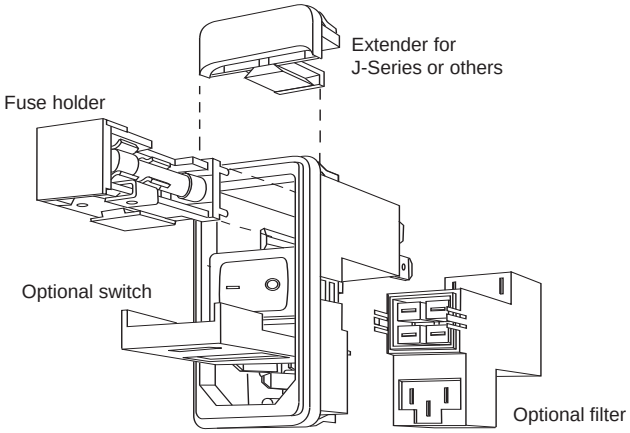
‡ For alternative switch orientation options, please contact technical sup port or your Corcom sales representative

** Dual voltage options only available with filter types O, H or S

••• High performance versions are available with horizontal mounting ears (PE style), no extenders, single voltage, complete can shield with options for switch, fuses, filter type (L or Z) and 6 or 10 amp current ratings only.

The part number **PSJ0XSS60** would represent the equivalent of the Corcom J Series 6J4:.

P Series (P)
with a snap-in mount (S)
with the J extender to fit the 6J4 cutout(J), and includes no switch (0)
dual voltage select (X)
single fusing (S),
general purpose filter (S)
for 6 amps (6)
with no shield (0).



Additional extender which allows the P series to adapt to CORCOM's L series product cutout, as well as the panel cutout of Schaffner and Delta parts is available.

* Extenders cannot be added to units with B shields.

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

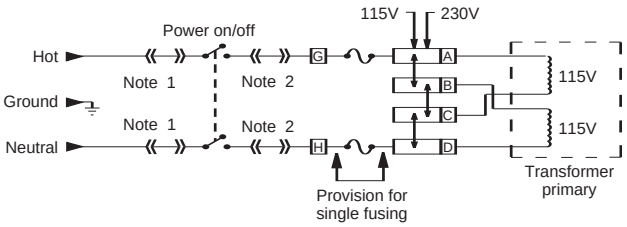
P Series

Voltage Selection

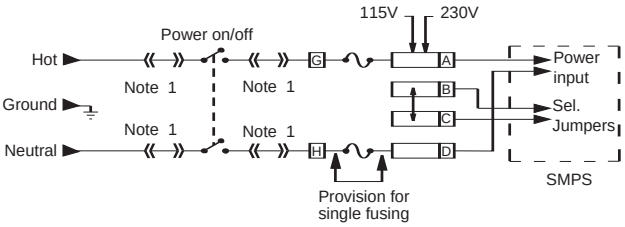
The P series of power entry modules provides a dual voltage selector which is integrated with the fuseholder. To simplify the wiring in each individual application, Tyco Electronics provides dedicated voltage selectors for different voltage selection schemes. The two most popular schemes are the parallel and serial for dual primary transformers and the “DPST switch” for switching mode power supplies (jumper types.) P series products with an “S” as the fifth digit are specifically designed for “jumper” type applications associated with switching mode power supplies. P series products with an “X” as the fifth digit are specifically designed for dual primary transformer applications. The voltage selector installed will allow proper wiring from these applications. No matter what voltage selection scheme is used, wiring is always made to the same four terminals.

Input Voltage Selection Schemes

X - Dual Primary Transformer Type



S - Jumper Type



Note 1: Jumpers are required if a filter or interconnection module is not used.

Note 2: Location of optional filter. Jumpers are required if a filter or interconnection block is not used.

Shield

A new feature available on the P series is an RF shield. The metal shield, available on filtered models, provides shielding from radiated emissions and provides an additional RF ground for the filter to the case. The shield is available in two versions, a shield of the filter components (designated by A as the ninth digit) and a complete shield (designated by B as the ninth digit). The A shield covers the filter portion of the module and increases performance of the filter by protecting the components from magnetic coupling. This shield improves RF ground connection to the case while still allowing the use of the P Series extender. The B shield covers the entire power entry module with metal, protecting the equipment from all radiated noise. Used with the filter, the shield provides the most secure protection from RFI noise problems. The B shield cannot be used with any extender.



A Shield B Shield

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

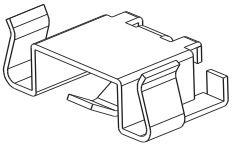
www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

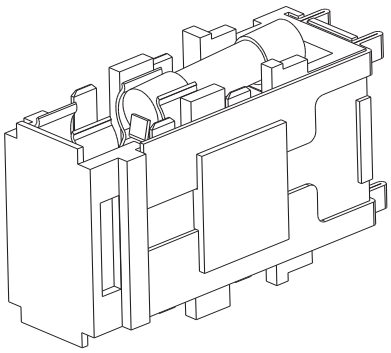
P Series

Fuseholder

Another feature of the P series power entry module is a versatile fusing arrangement. Its fuseholder can hold two 1/4" x 1-1/4" or 5 x 20mm fuses. It can also be converted to accept one fuse with a conversion clip that bridges one of the two fuse chambers. The conversion clip is installed on the P Series power entry modules set for single fusing (those with part numbers with an "S" as the sixth digit). Units with a "D" as the sixth digit do not include a conversion clip.



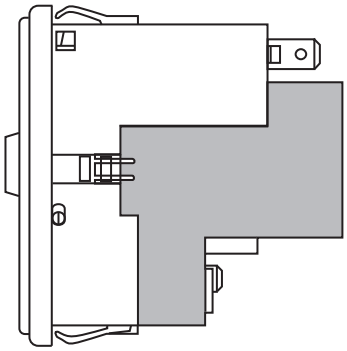
Conversion clip included for use in single fuse applications.



Fuseholder shown with 5x20mm fuse

Interconnection Block

Also available is an interconnection block (B models). The block connects the voltage selection terminals of an unfiltered CHAMELEON module with a switch and an IEC connector to reduce external wiring. Installation of the unfiltered versions of the P series involves wiring of the IEC socket to the switch and the switch to the fuseholder. Labor can be eliminated by ordering the product with an interconnection block. This feature, designated by a BX in the seventh and eighth digits, pre wires the module for easier installation. The wiring is protected with the plastic case to better prevent access to the terminals and connections. **The dimensions of this alternative are the same as the filtered versions.**

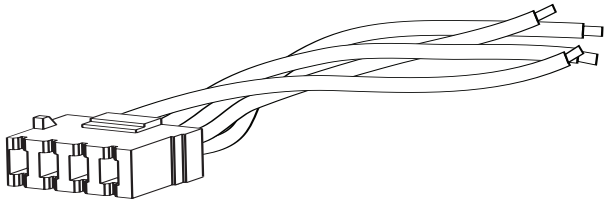


Interconnection Block installed in place of filer.

Accessories

A full range of accessories are available for the P Series. To simplify customer installation wiring can be simplified by ordering a PA100 connector assembly which is pre-wired with 6" of wire lead.

See page 143 for a complete list of all accessories available for this series.



PA100 Assembly

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

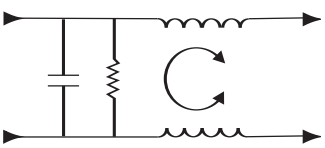
www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

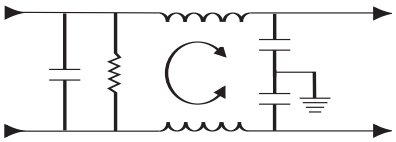
P Series

Electrical Schematics

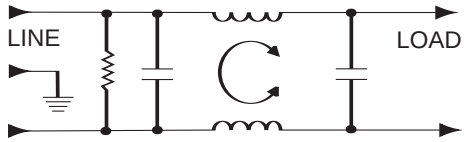
H Model



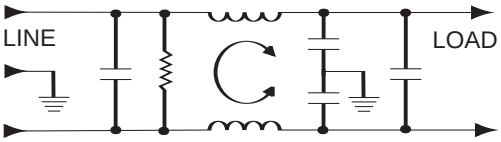
S Model



L Model



Z Model



Specifications

Maximum leakage current, each line-to-ground: †

	H & L Models	S & Z Models
@ 120 VAC 60 Hz:	2 µA	.25 mA
@ 250 VAC 50 Hz:	5 µA	.50 mA

†Applies to Filtered models only

Hipot rating (one minute):

line-to-ground 1500 VAC
line-to-line 1450 VAC

Operating frequency: 50/60 Hz

Rated voltage: 250 VAC

Operating voltages:

Selectable or Fixed 115/230 VAC

Rated current: Unfiltered – 10A
Filtered – 3, 6 or 10A

Switch: Double-insulated, rated for 10,000 operations at full load at 51 Amp inrush current.

Fuseholder: Accepts one or two fuses 1/4 x 1-1/4 or 5 x 20 mm
Conversion clip provided on fuseholder for single fuse models.

Terminals:

Standard versions: .187 x 0.032 [*4.8 x .81*] terminal tabs

High performance versions: .250 x 0.032 [*6.4 x .81*] terminal tabs

Recommended for use with mating connector - no solder

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	.03	.1	.15	.5	1	3	5	10	30
H Models									
3A	7	17	21	27	30	29	26	23	15
6A	-	8	11	15	17	19	18	16	13
10A	3	5	8	10	12	11	11	10	10
S Models									
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

Current Rating	.01	.05	.1	.15	.5	1	5	10	30
Z Models									
6A	8	21	27	30	37	43	49	52	42
10A	5	17	22	24	27	32	52	47	40
L Models									
6A	8	21	27	29	34	35	25	21	16
10A	5	17	22	23	24	25	21	18	14

Line-to-line in 50 ohm circuit

Current Rating	.10	.15	.5	1	3	5	10	30
H Models								
3A	2	4	12	18	31	40	48	41
6A	2	4	12	16	26	35	40	35
10A	2	4	12	16	26	33	40	32
S Models								
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

Current Rating	.01	.05	.1	.15	.5	1	5	10	30
Z Models									
6A	10	15	34	44	75	75	75	70	60
10A	10	20	20	35	67	75	75	70	60
L Models									
6A	10	15	34	44	75	75	75	70	60
10A	10	20	20	35	67	75	75	70	60

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

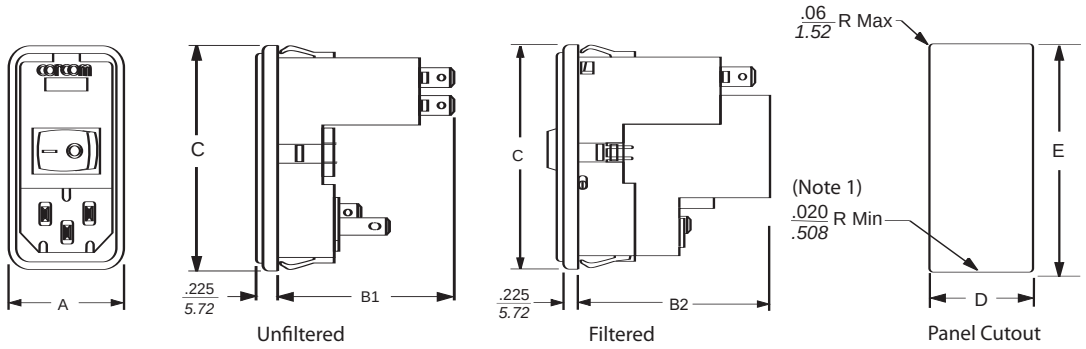
www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

P Series

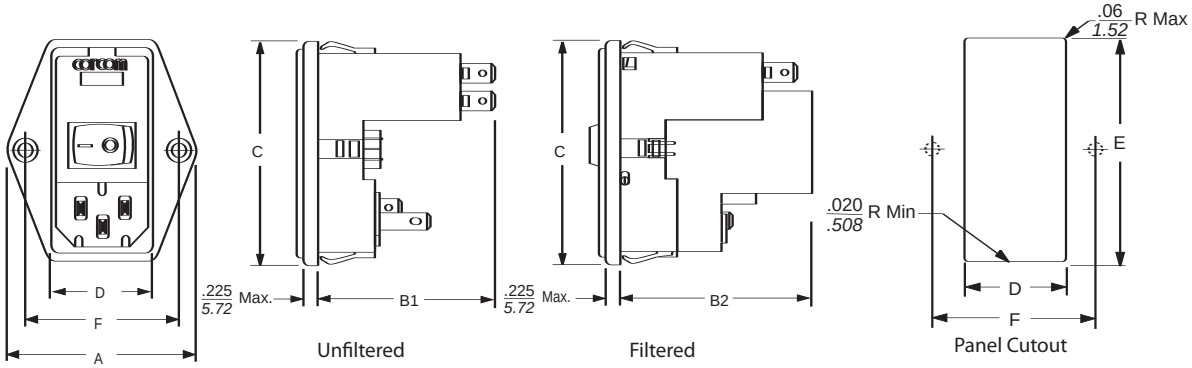
Case Styles

PS/PSL

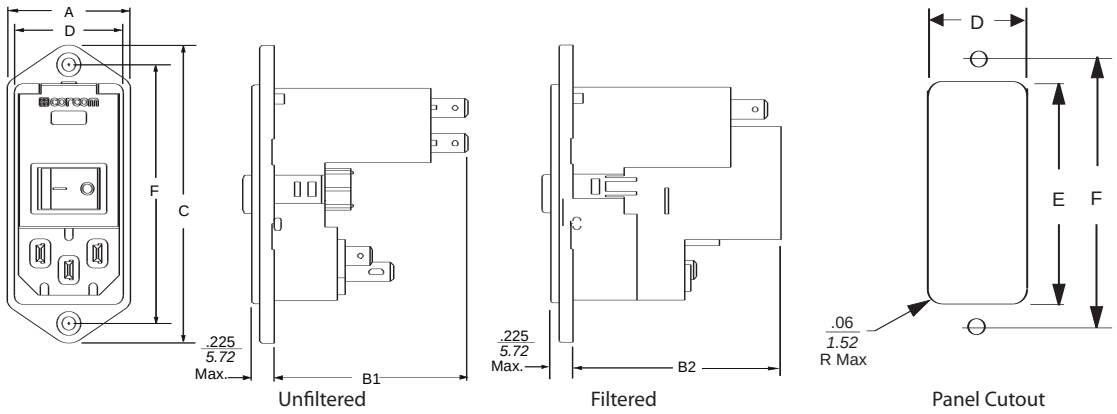


Note1: For snap-in applications, the D sides of the cutout must have a .02 [*.508*] radius on the installation side. Snap-in models allow front mounting only. Not recommended for plastic panels.

PE



PM



Typical dimensions:

Terminals: .187 x 0.032 [*4.8 x .81*] terminal tabs
Slot (Ground Terminal): .06 x .115 [*1.52 x 2.92*] ± .004 [*.10*]
Holes: .055 [*1.5*] Dia. ± .004 [*.10*]
Mounting Holes (PE, PM only) : .135 [*3.43*] Dia. (2) countersunk

Catalog 1654001
Revised 05-07

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.

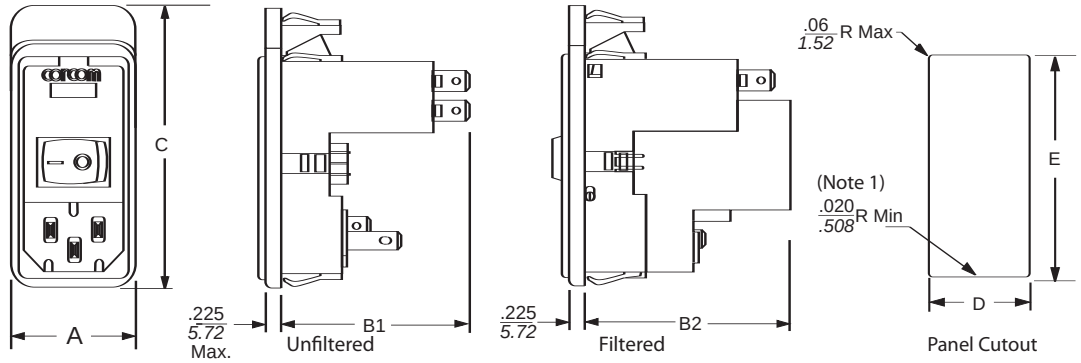
USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0
www.corcom.com
www.tycoelectronics.com

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

P Series

Case Styles (continued)

PSC/PSJ

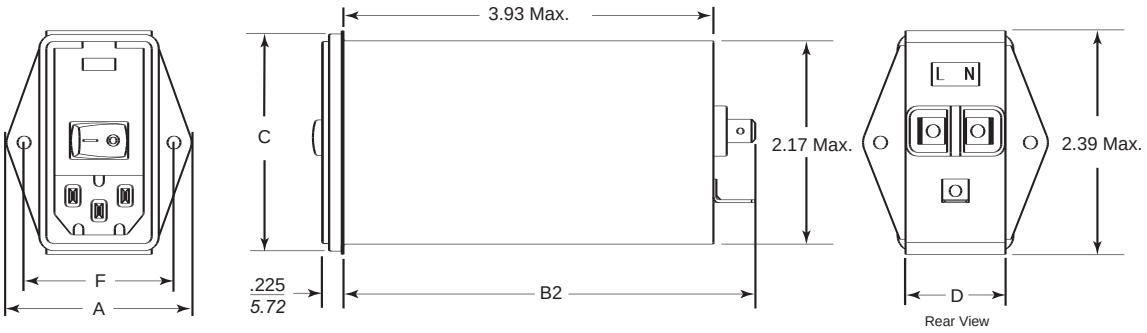


Note 1: For snap-in applications, the D sides of the cutout must have a .02 [*.508*] radius on the installation side. Snap-in models, allow front mounting only.

Typical dimensions:

Terminals: .187 x 0.032 [*4.8 x .81*] terminal tabs
Slot (Ground Terminal): .06 x .115 [*1.52 x 2.92*] ± .004 [*.10*]
Holes: .055 [*1.5*] Dia. ± .004 [*.10*]
Mounting Holes (PE, PM only) : .135 [*3.43*] Dia. (2) countersunk

PE High Performance



Note 1: Use cutout for PE Style.

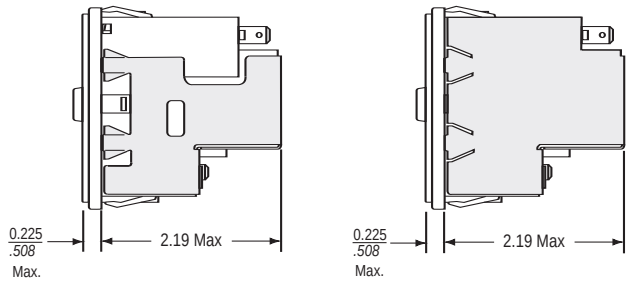
Typical dimensions:

Terminals: .250 x 0.032 [*6.4 x .81*] terminal tabs
Slot (Ground Terminal): .07 x .16 [*1.8 x 4.1*]
Holes: .07 [*1.8*] Dia. (2)
Mounting Holes: .135 [*3.43*] Dia. (2) countersunk

The CHAMELEON Adaptable Module for General, High Performance or Medical Applications (Continued)

P Series

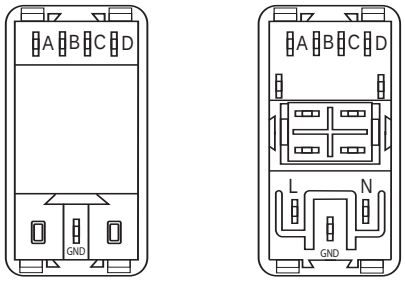
Shielding



A Shield B Shield

Shields can be used only with filtered models.
Shields add approximately 0.06" to depth.
B shield may not be used with J or C extender.

Rear View



Filtered Unfiltered

Case Dimensions

Part No.	A (max)	B1 (max)	B2 (max)	C (max)	D +.008/-.000 +.20/-.00	E +.008/-.000 +.20/-.00	F
PS	**1.24**	**1.93**	**2.13**	**2.31**	**1.06Δ**	**2.201***	—
	31.49	*49.02*	*54.1*	*58.67*	*26.93*	*55.91*	
PSL	**1.24**	**1.93**	**2.13**	**2.31**	**1.12**	**2.201***	—
	31.49	*49.02*	*54.1*	*58.67*	*28.45*	*55.91*	
PE	**1.98**	**1.93**	**2.13**	**2.31**	**1.122**	**2.201***	**1.575**
	50.29	*49.02*	*54.1*	*58.67*	*28.5*	*55.91*	*40.0*
PM	**1.24**	**1.93**	**2.13**	**2.9**	**1.06**	**2.13**	**2.496**
	31.49	*49.02*	*54.1*	*73.66*	*26.93*	*54.1*	*63.4*
PSC	**1.24**	**1.93**	**2.13**	**2.51**	**1.06**	**2.52**	—
	31.49	*49.02*	*54.1*	*63.75*	*26.93*	*64.01*	
PSJ	**1.24**	**1.93**	**2.13**	**2.72**	**1.06**	**2.6+**	—
	31.49	*49.02*	*54.1*	*69.09*	*26.93*	*66.0*	
PE High Performance	**1.98**	—	**4.42**	**2.31**	**1.12**	**2.201**	**1.575**
	50.29		*112.27*	*58.67*	*28.5*	*55.91*	*40.0*

* Panel cutout for thickness of .031 - .079 [*0.8 - 2.0*]. For panel thickness at .083 - .114 [*2.1 - 2.9*] use 2.213 [*56.21*].
\+ Panel cutout for thickness of 0.06 - 0.09 [*0.76 - 2.29*].
Δ For shielded models use D=1.12 +.008/-.000.

Catalog 1654001
Revised 05-07

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.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0
www.corcom.com
www.tycoelectronics.com

ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

Благодаря этому наша компания предлагает к поставке практически не ограниченный ассортимент компонентов как оптовыми, мелкооптовыми партиями, так и в розницу.

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
- Работаем по 275 ФЗ

ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709