

PE000DM6E Product Details



PE000DM6E

TE Internal Number: 4-1609154-5



Active

EMI/RFI Filters and Accessories



Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Filter - EMI/RFI
- Filter Type = Power Entry (Filtered/Unfiltered)
- Used With P Series
- P (3-10 Amp) Series
- Medium Performance Application

Documentation & Additional Information

Product Drawings:

- [CATALOG MEDIUM P SERIES](#) (PDF, English)

Catalog Pages/Data Sheets:

- [5-1773464-0_CORCOM_MEDIUM_P_SERIES_FILTERS](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [Product Type](#) = Filter - EMI/RFI
- [Filter Type](#) = Power Entry (Filtered/Unfiltered)
- [Series](#) = P (3-10 Amp)
- [Filtered](#) = Yes
- Type of Connector = IEC 60320-1 C-14

Mechanical Attachment:

- Shield Style = Complete Can

Electrical Characteristics:

- [Input Voltage Select](#) = Single AC Voltage
- [Current Rating \(A\)](#) = 6
- [Voltage Selection](#) = Single
- [Voltage ≤ \(VAC\)](#) = 250

Termination Features:

- [Terminal Input - Output Combination](#) = IEC - .187" Faston

Body Features:

- [Used With](#) = P Series
- [Mount Style](#) = Mounting Ears (Horizontal)
- Switch Type = No Switch

Configuration Features:

- [Fuse Options](#) = Dual
- [Fuse Holder Type](#) = Selectable

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Operation/Application:

- [Application](#) = Medium Performance

Other:

- Brand = Corcom

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

X53

-

A

ECO-10-017557

10JAN2012

EC

EC

MINIMUM INSERTION LOSS, 50Ω LINE AND LOAD IMPEDANCES

LINE TO GROUND (COMMON MODE)

LINE TO LINE (DIFFERENTIAL MODE)

CURRENT RATING

FREQUENCY, MHz

3 AMP

6 AMP

10 AMP

.15

.5

1

3

10

30

CURRENT RATING

FREQUENCY, MHz

3 AMP

6 AMP

10 AMP

.15

.5

1

3

10

30

SCHEMATIC

PANEL CUT-OUT

1.575

PE VERSIONS

1.120^{+.008}_{-.000}

2.201^{+.008}_{-.000} *

2.496

PM VERSIONS

R.06

Ø.135

FOR PS VERSIONS THE SHORT EDGES MUST HAVE R.02 ON INSERTION SIDE.

* FOR PANEL THICKNESS 0.031-0.079 USE 2.201

FOR PANEL THICKNESS 0.083-0.114 USE 2.213.

ALLOW .15 FOR SWITCHED VERSIONS

2.71

2.43

2.73

Ø.13

Ø.23

2.88

PM SHOWN WITH SWITCH

2.71

2.43

2.73

PE

2.75

PS

1.22

2.29

PS SNAP-IN MOUNTING

2.73

2.45

2.75

PS

1.95

Ø.13

Ø.23

PE SHOWN WITHOUT SWITCH

2.71

2.43

2.73

PE

2.71

2.43

2.73

PM

2.71

2.43

2.73

PS

PART NUMBER SYSTEM

P

S

0

S

0

S

M

6

E

MOUNTING STYLE

S = SEE ABOVE

E = SEE ABOVE

M = SEE ABOVE

SWITCH OPTIONS

0 = NONE

S = DOUBLE POLE, SINGLE THROW

CURRENT

3 = 3 AMP

6 = 6 AMP

X = 10 AMP

FUSE LOCATIONS

D = DUAL FUSING

S = SINGLE FUSING

INCLUDES CONVERSION CLIP

PS0S0SM6E EXAMPLE:

SNAP-IN MOUNTING

WITH SWITCH

SINGLE FUSING

6 AMP

0'S ARE ZEROS.

HIPOT RATING (ONE MINUTE)

LINE TO GROUND: 1500 VAC

LINE TO LINE: 1450 VDC

OPERATING FREQUENCY: 50/60 Hz

RATED VOLTAGE: 120/250 VAC

FUSING: ACCEPTS 3AG Ø 1/4" X 1-1/4" OR METRIC Ø 5 mm X 20 mm

OPERATING AMBIENT TEMP: -10°C TO 40°C

STORAGE TEMPERATURE: -40°C TO 85°C

MAX LEAKAGE CURRENT .25mA @ 120V 60Hz

PER LINE TO GROUND: .50mA @ 250V 60Hz

HUMIDITY: 21 DAYS, 40°C @ 95%RH

CURRENT OVERLOAD: 6X RATED FOR 8 SEC

SWITCH: 10K CYCLES @ 51 AMP INRUSH

TERMINALS: 0.187" X .032 FASTON TABS

SAFETY AGENCIES: UL RECOGNIZED, CSA CERTIFIED, VDE APPROVED.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN EC 20DEC2011

CHK - 20DEC2011

APVD EC 20DEC2011

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.2

1 PLC ±.1

2 PLC ±.02

3 PLC ±.005

4 PLC ±.0005

ANGLES ±1

MATERIAL -

FINISH -

NAME

MEDIUM P SERIES

SWITCHED, FUSED,

2-STAGE FILTERED INLET

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A300779

©-MEDIUM-P-SERIES

SCALE 1:2

SHEET 1 OF 1

REV A



Introducing Corcom Medium Performance P Series Power Entry Modules

TE Connectivity has expanded the Corcom P Series power entry modules to include a new medium performance filter option. The medium P Series modules features better performance than the standard filter option in a smaller size than the high performance filter. Filters are available in 3, 6 or 10A ratings. Modules are available in either snap-in or flange mount versions with a choice of horizontal or vertical mounting ears. The medium performance P Series modules are available with either single or dual fuses and may be configured with an optional DPST switch. The medium performance P Series modules are suitable for applications with increased attenuation requirements in higher frequencies where a smaller size is desirable.





KEY FEATURES

- Dual stage electrical setup
- High attenuation at higher frequencies
- Compact design
- Snap-in or flange mounting
- Standard IEC 60321-1 C14 power inlet
- Optional DPST switch
- Single or dual North American or Metric fusing capabilities
- UL Recognized, CSA Certified and VDE Approved

APPLICATIONS

- Switch mode power supplies
- Vending & service machines
- Computing & accessories
- Home appliances
- Gaming equipment
- Fitness equipment
- Measuring & test equipment
- Instrumentation

STANDARDS AND SPECIFICATIONS

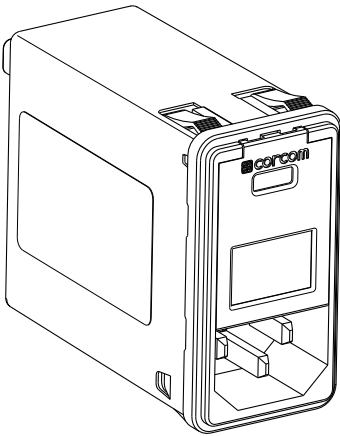
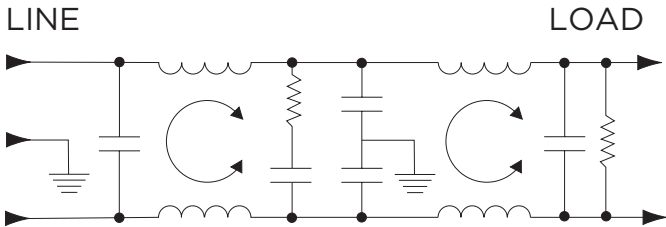
- UL Recognized
- CSA Certified
- VDE Approved



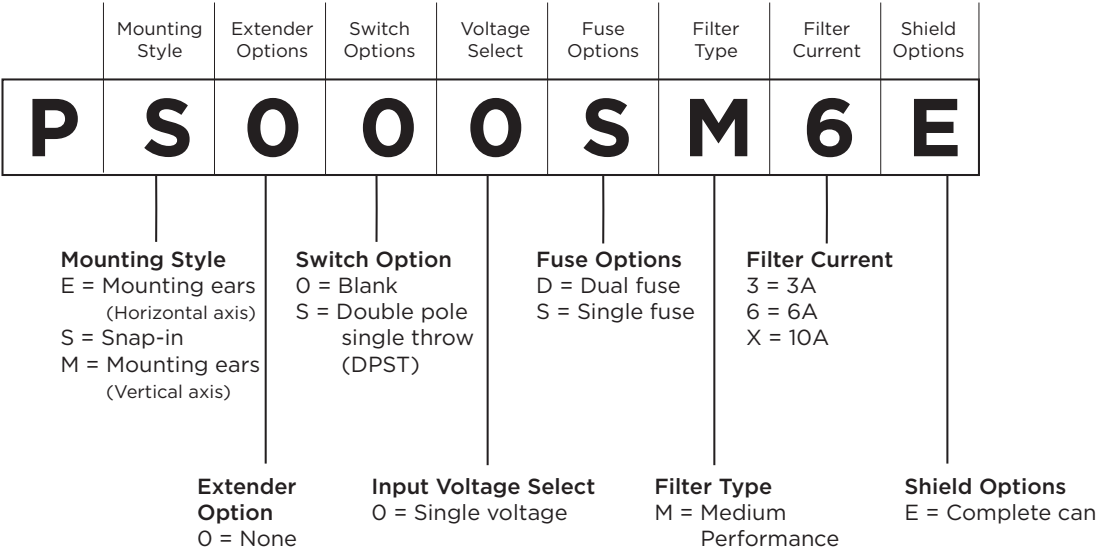
ELECTRICAL SPECIFICATIONS

Maximum leakage current each Line to Ground:	@120 VAC 60 Hz:	.25 mA
	@ 250 VAC 50 Hz:	.50 mA
Hipot rating (one minute):	Line to Ground:	2250 VDC
	Line to Line:	1450 VDC
Rated Voltage (max.):		250 VAC
Operating Frequency:		50/60 Hz
Rated Current:		3 to 10A
Fuseholder:		Accepts one or two fuses .25 x 1.25" (not included) or 5 x 20mm (not included)
Switch:		DPST 10,000 operations at 51A max. inrush

ELECTRICAL SCHEMATICS



ORDERING INFORMATION



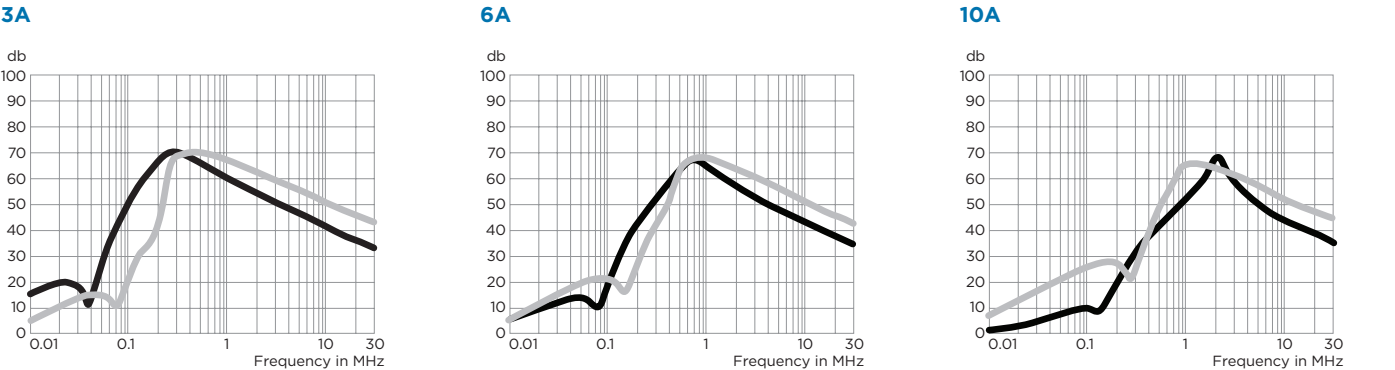
PRODUCT OFFERING

E Style Mounting Ears		M Style Mounting Ears		Snap-In	
4-1609154-1:	PEO0SM3E	4-1609155-3:	PM00SM3E	4-1609152-7:	PS00SM3E
4-1609154-2:	PEO0SM6E	4-1609155-4:	PM00SM6E	4-1609152-8:	PS00SM6E
4-1609154-3:	PEO0SMXE	4-1609155-5:	PM00SMXE	4-1609152-9:	PS00SMXE
4-1609154-4:	PEO0DM3E	4-1609155-6:	PM00DM3E	4-1609153-0:	PS00DM3E
4-1609154-5:	PEO0DM6E	4-1609155-7:	PM00DM6E	4-1609153-1:	PS00DM6E
4-1609154-6:	PEO0DMXE	4-1609155-8:	PM00DMXE	4-1609153-2:	PS00DMXE
4-1609154-7:	PEOSM3E	4-1609155-9:	PMOSM3E	4-1609153-3:	PSOSM3E
4-1609154-8:	PEOSM6E	4-1609156-0:	PMOSM6E	4-1609153-7:	PSOSM6E
4-1609154-9:	PEOSMXE	4-1609156-1:	PMOSMXE	4-1609153-5:	PSOSMXE
4-1609155-0:	PEOSDM3E	4-1609156-2:	PMOSDM3E	4-1609153-6:	PSOSDM3E
4-1609155-1:	PEOSDM6E	4-1609156-3:	PMOSDM6E	4-1609153-9:	PSOSDM6E
4-1609155-2:	PEOSDMXE	4-1609156-4:	PMOSDMXE	4-1609154-0:	PSOSDMXE

PERFORMANCE DATA

Typical Insertion Loss - Measured in closed 50 Ohm system

Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)



Minimum Insertion Loss - Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz					
	.15	.5	1	5	10	30
3A	50	60	60	45	40	30
6A	34	58	58	42	37	30
10A	6	35	45	45	38	30

Differential Mode / Asymmetrical (Line to Line)

Current Rating	Frequency – MHz					
	.15	.5	1	5	10	30
3A	25	60	60	50	45	40
6A	9	50	62	51	46	40
10A	10	20	59	52	48	40

QUESTIONS TO ASK WHEN DESIGNING IN A CORCOM FILTER

- “Are you experiencing unwanted conducted radio frequency interference (RFI¹) ?”
- “How are you addressing your CE or FCC conducted RFI issues ?”
- “How are you ensuring compliance with safety agency standards ?”

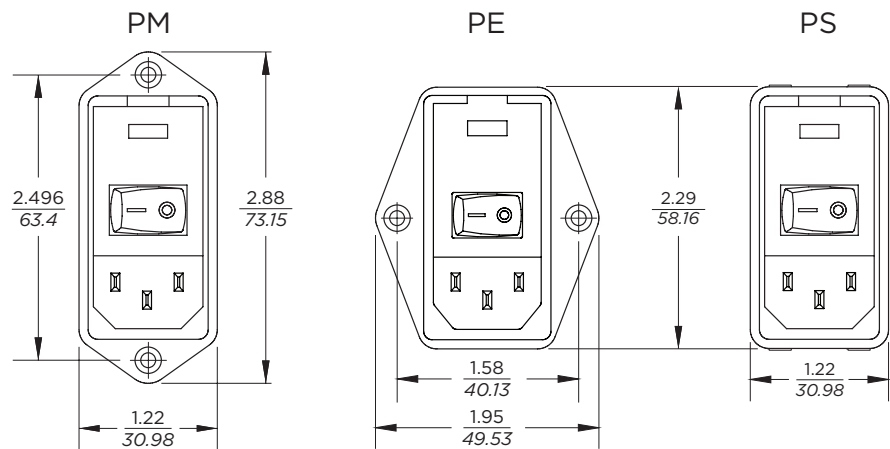
CORCOM ADVANTAGE:

- Broad standard catalog product offering
- Superior Corcom brand equity & print position
- Product samples available
- Customized and value-added solutions available
- Complimentary screen room services available to assist customers with product selections
- Easy website to navigate – corcom.com

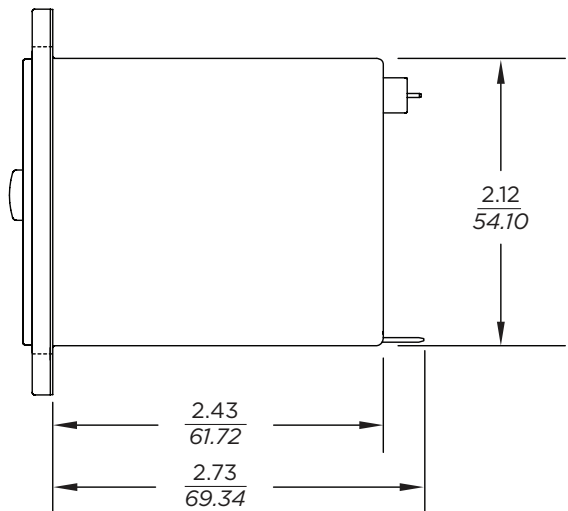
¹ Radio Frequency Interference is also commonly referred to as “electronic noise”

CASE STYLES

Front View



Side View



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Mounting Holes (2):	.135 [3.43] Dia. with .23 [5.9] Dia. x 90° countersink for #4 flathead screw (PM, PE only)
Terminals (2):	.187 [4.8] quick connect tabs

FOR MORE INFORMATION

corcom.com

TE Technical Support Center

Internet:	te.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.te.com/leadfree

te.com

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