

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:

- [5-177346-0_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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RELEASED FOR PUBLICATION

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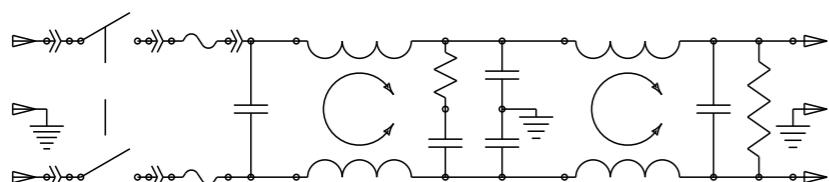
MINIMUM INSERTION LOSS, 50Ω LINE AND LOAD IMPEDANCES

LINE TO GROUND (COMMON MODE)

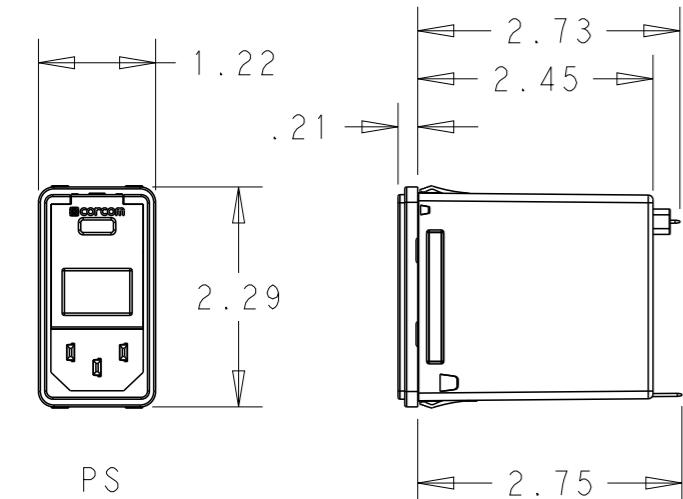
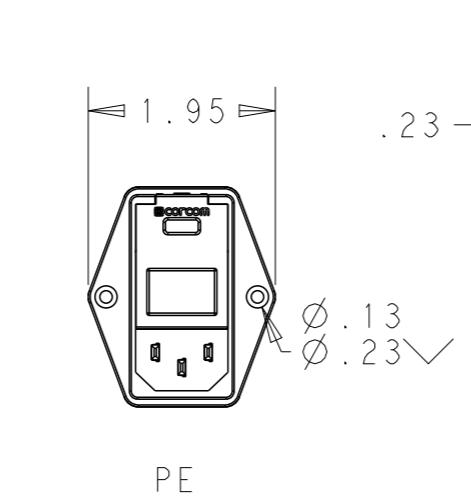
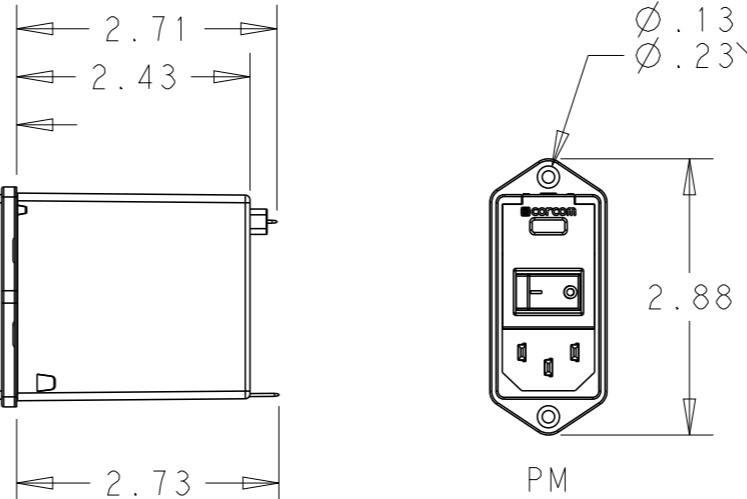
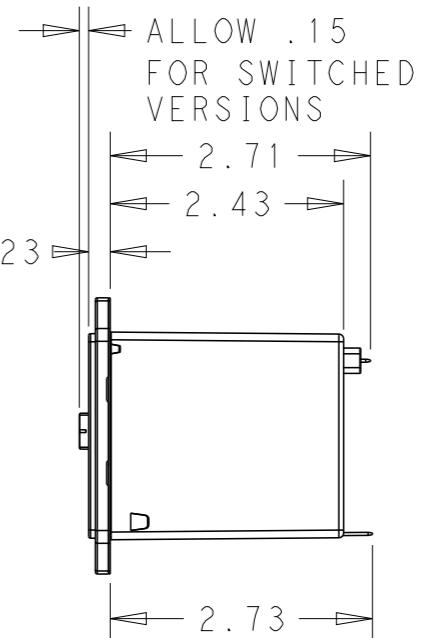
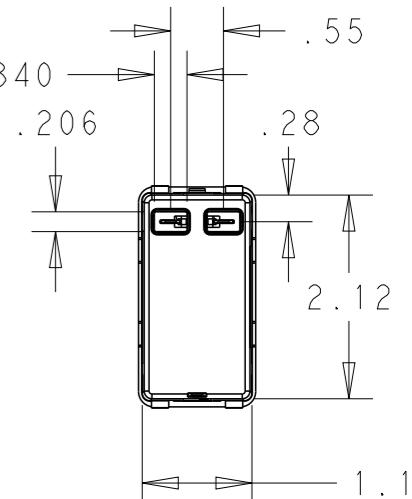
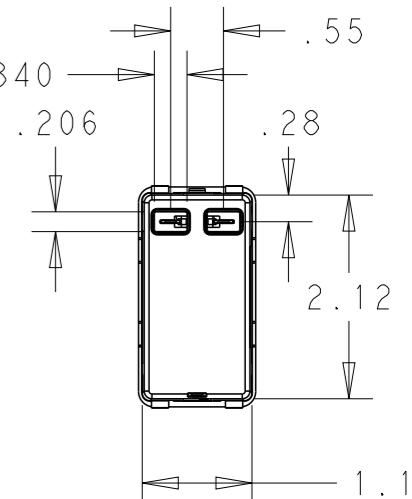
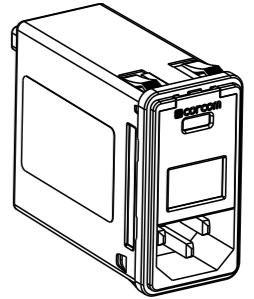
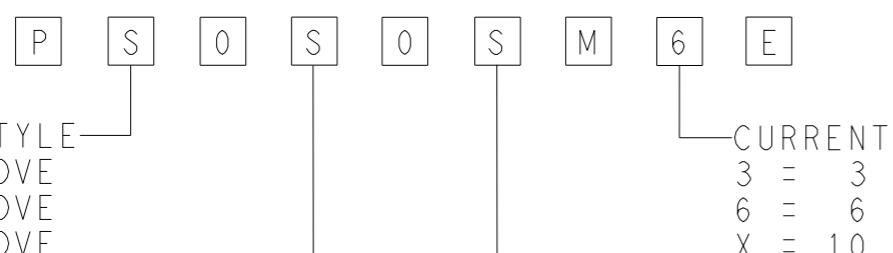
CURRENT RATING	FREQUENCY, MHz				
	.15	.5	1	3	10
3 AMP	50	60	60	49	40
6 AMP	34	58	58	47	37
10 AMP	6	35	45	45	38

3 AMP	50	60	60	49	40	30
6 AMP	34	58	58	47	37	30
10 AMP	6	35	45	45	38	30

10 AMP	6	35	45	45	38	30
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SCHEMATIC

PS
SNAP-IN
MOUNTINGPS
SHOWN
WITHOUT SWITCHPE
SHOWN
WITHOUT SWITCHPE
SHOWN WITH
SWITCHPM
SHOWN WITH
SWITCHPS
SHOWN WITH
SWITCH

SWITCH OPTIONS
0 = NONE
S = DOUBLE POLE,
SINGLE THROW

FUSE LOCATIONS
D = DUAL FUSING
S = SINGLE FUSING
INCLUDES CONVERSION CLIP

PSOSOSM6E 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 $\phi 1/4"$ X $1-1/4"$
OR METRIC $\phi 5$ 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.

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EC

CHK 20DEC2011

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APVD 20DEC2011

FC

PRODUCT SPEC

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APPLICATION SPEC

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WEIGHT

-

-

MATERIAL

-

FINISH

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CUSTOMER DRAWING



TE Connectivity

MEDIUM P SERIES
SWITCHED, FUSED,
2-STAGE FILTERED INLET

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A	300779	C-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

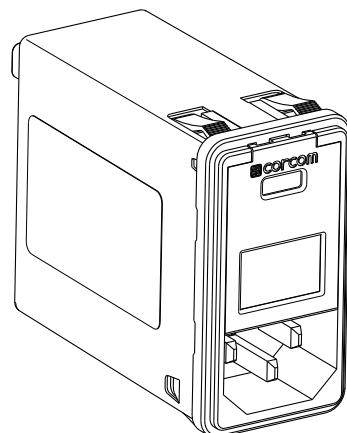
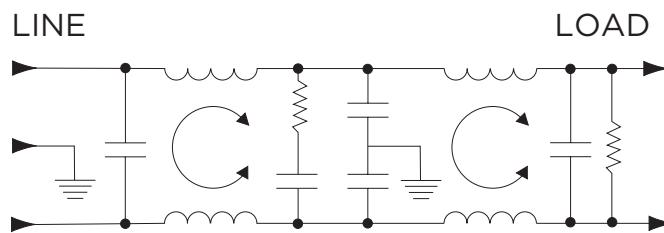
- UL Recognized
- CSA Certified
- VDE Approved



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

Mounting Style	Extender Options	Switch Options	Voltage Select	Fuse Options	Filter Type	Filter Current	Shield Options
P	S	O	O	O	S	M	6
E							E
Mounting Style E = Mounting ears (Horizontal axis) S = Snap-in M = Mounting ears (Vertical axis)	Switch Option O = Blank S = Double pole single throw (DPST)	Fuse Options D = Dual fuse S = Single fuse	Filter Current 3 = 3A 6 = 6A X = 10A				
Extender Option O = None	Input Voltage Select O = Single voltage	Filter Type M = Medium Performance	Shield Options E = Complete can				

PRODUCT OFFERING

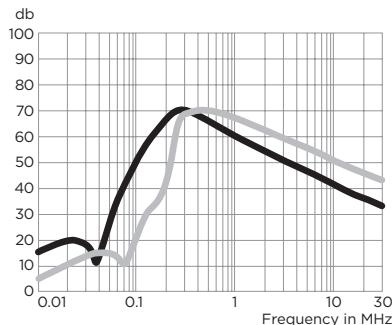
E Style Mounting Ears	M Style Mounting Ears	Snap-In
4-1609154-1: PE000SM3E	4-1609155-3: PM000SM3E	4-1609152-7: PS000SM3E
4-1609154-2: PE000SM6E	4-1609155-4: PM000SM6E	4-1609152-8: PS000SM6E
4-1609154-3: PE000SMX6	4-1609155-5: PM000SMX6	4-1609152-9: PS000SMX6
4-1609154-4: PE000DM3E	4-1609155-6: PM000DM3E	4-1609153-0: PS000DM3E
4-1609154-5: PE000DM6E	4-1609155-7: PM000DM6E	4-1609153-1: PS000DM6E
4-1609154-6: PE000DMX6	4-1609155-8: PM000DMX6	4-1609153-2: PS000DMX6
4-1609154-7: PEOSOSM3E	4-1609155-9: PMOSOSM3E	4-1609153-3: PSOSOSM3E
4-1609154-8: PEOSOSM6E	4-1609156-0: PMOSOSM6E	4-1609153-7: PSOSOSM6E
4-1609154-9: PEOSOSMX6	4-1609156-1: PMOSOSMX6	4-1609153-5: PSOSOSMX6
4-1609155-0: PEOSODM3E	4-1609156-2: PMOSODM3E	4-1609153-6: PSOSODM3E
4-1609155-1: PEOSODM6E	4-1609156-3: PMOSODM6E	4-1609153-9: PSOSODM6E
4-1609155-2: PEOSODMX6	4-1609156-4: PMOSODMX6E	4-1609154-0: PSOSODMX6E

PERFORMANCE DATA

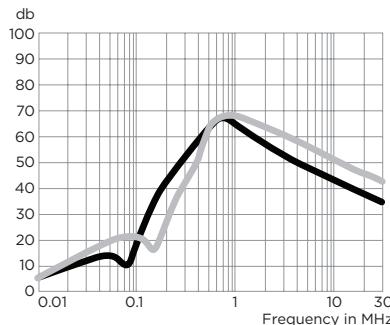
Typical Insertion Loss - Measured in closed 50 Ohm system

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

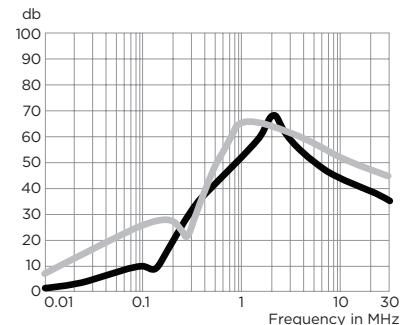
3A



6A



10A



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 ?”

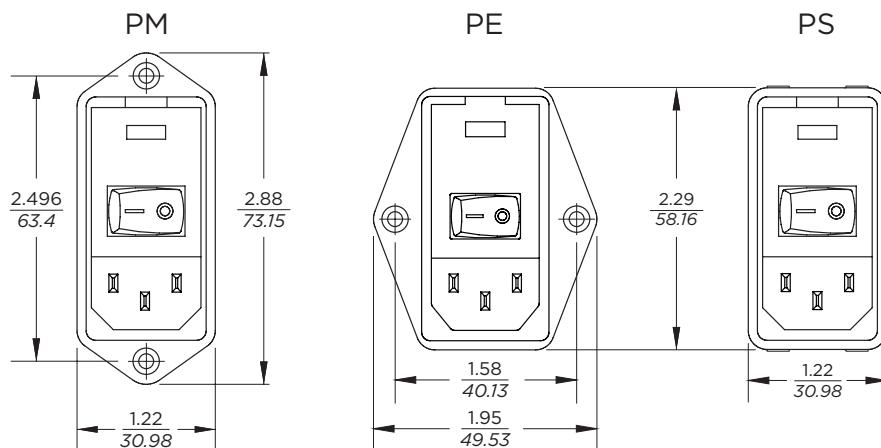
CORCOM ADVANTAGE:

- 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

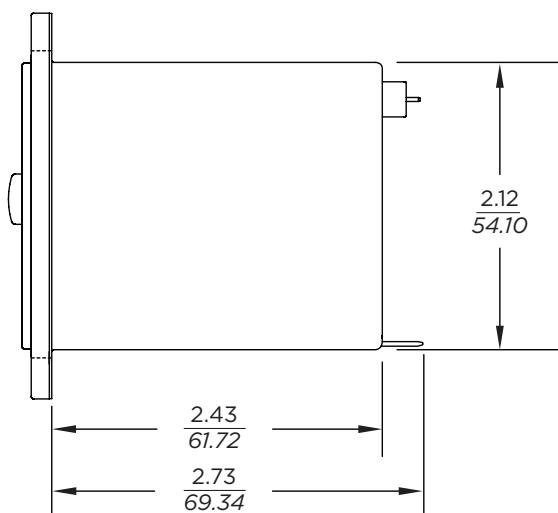
¹ Radio Frequency Interference is also commonly referred to as “electronic noise”

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

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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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