Minimum Depth, Cost-effective Shielded Power Inlet Filter

SRB Series

UL Recognized
CSA Certified
VDE Approved*

SRB Series

- Smallest depth Corcom RFI filter available
- Complete shield
- Wide range of capacitor values
- Attenuates coupled EMI up to 300MHz
- Minimal to low leakage current versions are suitable for patient and non-patient contact medical equipment.
- Full range of mounting and termination options including unique vertical and horizontal orientation slide in mounts eliminate the need for mounting hardware

Ordering Information

15 SRB S 1 - Q

Capacitor ID
See Chart
Omit if none

Output Styles
1 – Spade terminals *(back)*
2 – Spade terminals *(bottom)*
8 – Wire leads
P – PC board pins

Mounting Style
S – Snap-in
X – Slide-in (*short edge / horizontal*)
Y – Slide-in (*long edge / vertical*)
Omit for flange mount

SRB Series

Current Rating
15A

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

Specifications

Maximum leakage current each Line to Ground:

Capacitor ID / Value	@120 VAC 60 Hz	@250 VAC 50 Hz
Blank / None	2 µA	5 µA
Q / 33 pF	2.1 µA	3.65 µA
R / 100 pF	9.6 µA	16.6 µA
S / 220 pF	19.2 µA	33.2 µA
T / 330 pF	24.0 µA	41.5 µA
W / 470 pF	0.04 mA	0.07 mA
X / 1000 pF	0.07 mA	0.13 mA
Y / 2200 pF	0.16 mA	0.28 mA
Z / 3300 pF	0.24 mA	0.42 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: 15A*

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Capacitor Options

Capacitor ID	Capacitor Value
Q	33 pF
R	100 pF
S	220 pF
T	330 pF
W	470 pF
X	1000 pF
Y*	2200 pF
Z*	3300 pF

**Not available in SRB8, SRBX or SRBY styles*

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.

For email, phone or live chat, please go to **te.com/help**
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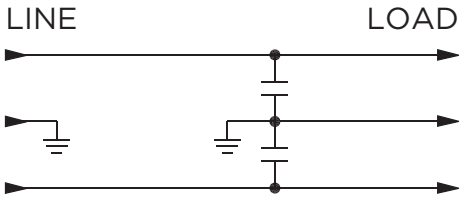
SRB Series

Available Part Numbers

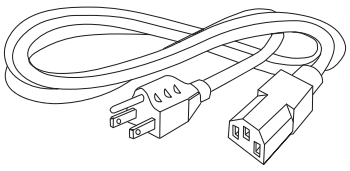
Flange Mount			
15SRB1	15SRB2	15SRBP	15SRB8
15SRB1-Q	15SRB2-Q	15SRBP-Q	15SRB8-Q
15SRB1-R	15SRB2-R	15SRBP-R	15SRB8-R
15SRB1-S	15SRB2-S	15SRBP-S	15SRB8-S
15SRB1-T	15SRB2-T	15SRBP-T	15SRB8-T
15SRB1-W	15SRB2-W	15SRBP-W	15SRB8-W
15SRB1-X	15SRB2-X	15SRBP-X	15SRB8-X
15SRB1-Y	15SRB2-Y	15SRBP-Y	
15SRB1-Z	15SRB2-Z	15SRBP-Z	
Snap-In		**Slide-In**	
15SRBS1	15SRBS8	15SRBX8	15SRBY8
15SRBS1-Q	15SRBS8-Q	15SRBX8-Q	15SRBY8-Q
15SRBS1-R	15SRBS8-R	15SRBX8-R	15SRBY8-R
15SRBS1-S	15SRBS8-S	15SRBX8-S	15SRBY8-S
15SRBS1-T	15SRBS8-T	15SRBX8-T	15SRBY8-T
15SRBS1-W	15SRBS8-W	15SRBX8-W	15SRBY8-W
15SRBS1-X	15SRBS8-X	15SRBX8-X	15SRBY8-X
15SRBS1-Y			
15SRBS1-Z			

Electrical Schematic



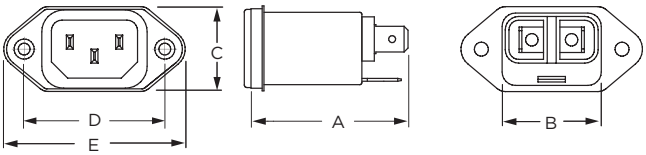
Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



Case Styles

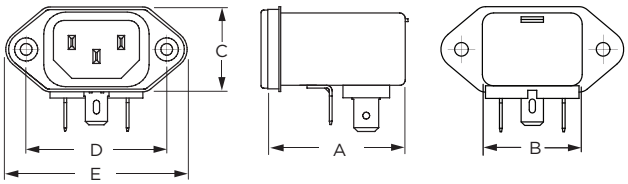
SRB1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot

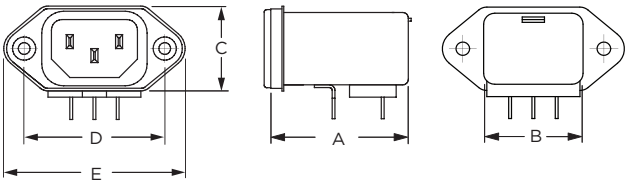
SRB2



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot

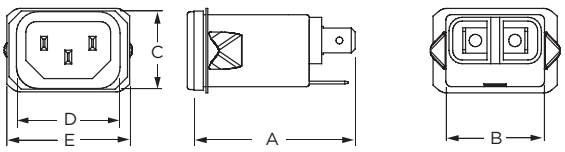
SRBP



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
PC board pins (3):	.031 [*0.7*] square, ± .003 [*.07*]

SRBS1



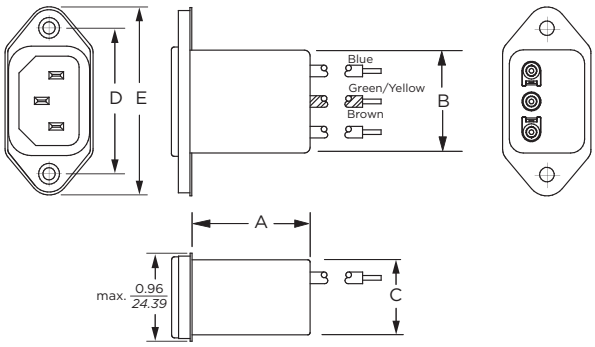
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot

SRB Series

Case Styles *(continued)*

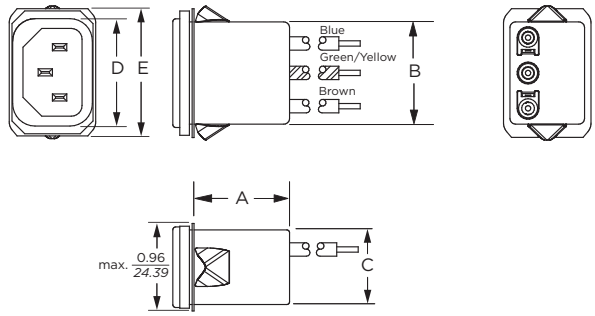
SRB8



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

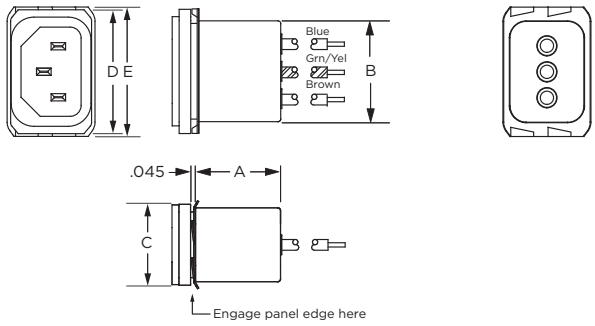
SRBS8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

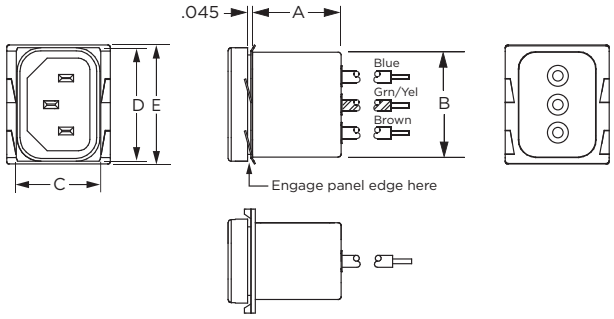
SRBX8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

SRBY8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)
15SRB1	**1.75** *44.45*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRB2	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRBP	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *21.76*
15SRBS1	**1.75** *44.45*	**1.13** *28.70*	**0.96** *24.38*	**1.19** *30.10*	**1.41** *35.81*
15SRB8	**0.95** *24.13*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRBS8	**.95** *24.13*	**1.13** *28.70*	**0.96** *24.38*	**1.19** *30.10*	**1.41** *35.81*
15SRBX8	**0.95** *24.1*	**1.11** *28.2*	**0.89** *22.61*	**1.35*** *34.29**	**1.41** *35.81*
15SRBY8	**0.95** *24.1*	**1.11** *28.2*	**0.89** *22.61*	**1.30*** *33.02**	**1.36** *34.54*

*max.

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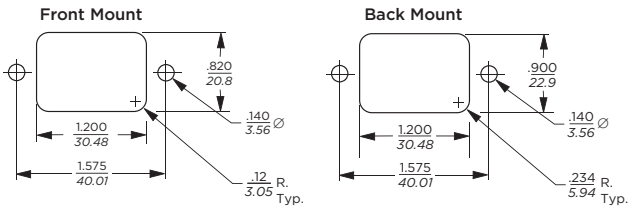
SRB Series

Recommended Panel Cutouts

SRB1, SRB2, SRBP & SRB8

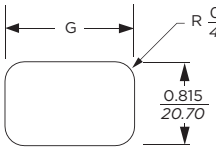


Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: SRB1 and SRB8 can be front or back mounted

Note 2: SRB2 and SRBP can be back mounted only

SRBS

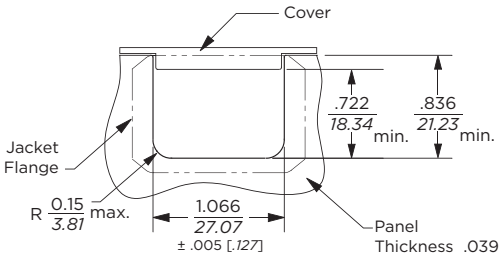


Front Mount only

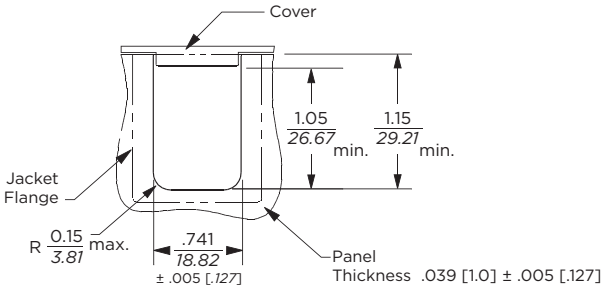
Panel Thickness	G Dim. ± .002 [*.05*]
0.031 - 0.052 [*0.79 - 1.32*]	1.260 [*32.00*]
0.046 - 0.068 [1.17 - 1.73]	1.350 [*34.29*]

Tolerance ±.002 *[.050]*

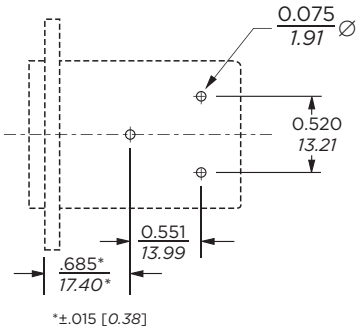
SRBX



SRBY



PC Board Layout



*±.015 [*0.38*]

SRBX8

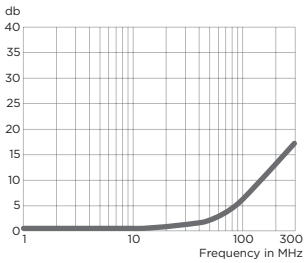
SRB Series

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system

Q



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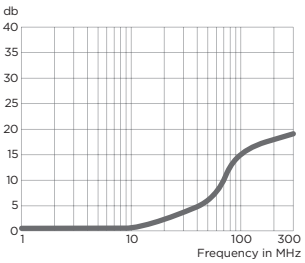

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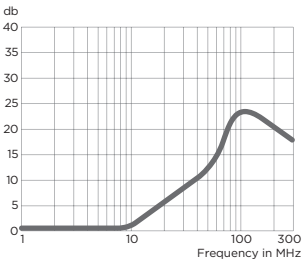

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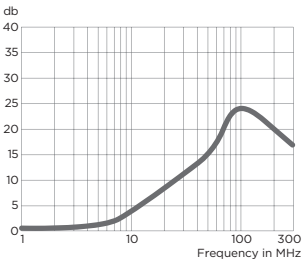

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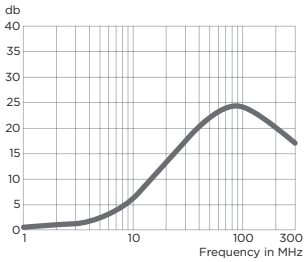
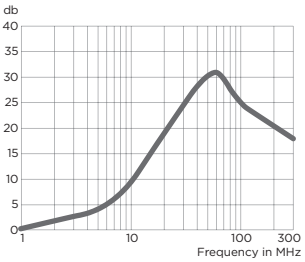


X



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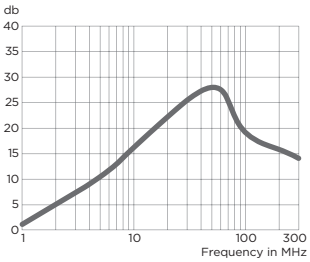

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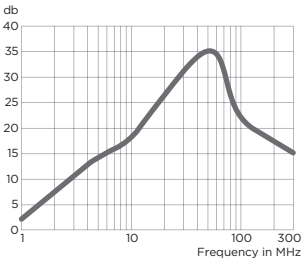


Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz 1	5	10	50	100	300
Q	-	-	-	-	-	20
R	-	-	-	3	6	22
S	-	-	1	6	17	19
T	-	-	2	13	13	19
W	-	2	4	18	13	20
X	-	5	9	25	10	17
Y	1	10	15	20	8	22
Z	2	14	18	17	7	15

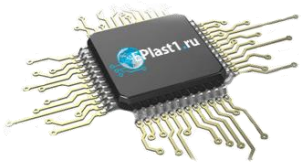
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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