High Performance B Series RFI Line Filters

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F ' ')&-

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- Enhanced performance version of our popular B Series of RFI line filters
- Small size with enhanced performance
- 30A version half the size of other 30A filters
- Low leakage version available that meets current requirements of VDE portable equipment and non-patient care medical equipment

))!% F % &) $ +!&%

20 E SB 6

- 6 – Input / Output Style: 1 – .250 [6.3] spade terminals; 6 – Threaded bolt
- SB – SB Series
- E – Leakage current designation: E – Low leakage *(<0.5 mA)*; V – Standard
- 20 – Current Rating: 6, 10, 20 or 30A

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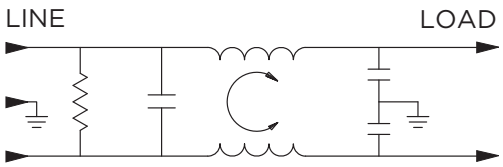

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/!$, $F# " F ,)) %+F F !% F+&F)&,% >

	VSB Models	ESB Models
@ 120 VAC 60 Hz:	.75 mA	.22 mA
@250 VAC 50 Hz:	1.25 mA	.36 mA

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Line to Ground:	2250 VDC
Line to Line:	1450 VDC
+ F &#+ FB$ /C>	250 VAC 250 VDC
') +!% F) (, % 0>	50/60 Hz
+ F ,)) %+>	6 to 30A
') +!% F $! %+F $ ') +,) F % F B +F) + F ,)) %+F)C>	-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: $I_O = I_r \sqrt{(85-Ta)/45}$

- !# # F)+F , $)*

6ESB1	6VSB1
10ESB1	10VSB1
10ESB6	10VSB6
20ESB1	20VSB1
20ESB6	20VSB6
30ESB6	30VSB6

High Performance B Series RFI Line Filters *(continued)*

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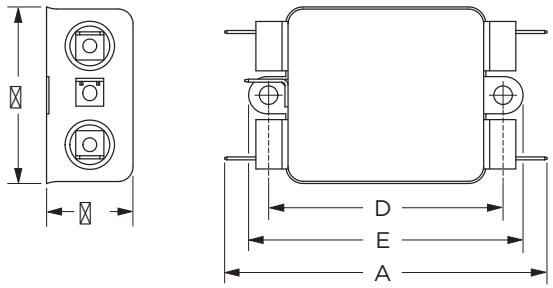
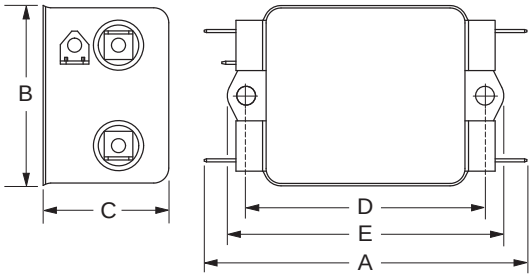


%D;5/-7 58195:9>
91 :-0 %1=859-7> +6.3, B%4 +1.8, 5- 4:71
=:@90 %1=859-7 +6.3, B%4 C +1.8 x 3.8, >7:?
:@9%93 :71> +4.75, 5-

43 4=F43 4=F53 4F?F53 4



%D;5/-7 58195:9>
91 :-0 %1=859-7> +6.3, B%4 +1.8, 5- 4:71
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:@9%93 :71> +4.75, 5-

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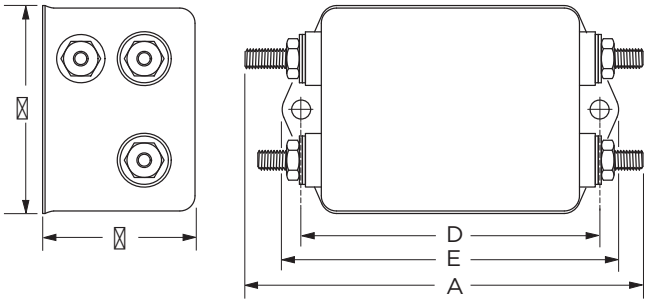

%D;5/-7 58195:9>
%1=859-7> %:=<@1 7.259 +2.03 8, 8-C E +.22,
:@9%93 :71> +4.75, 5-

* F !$ %*!&%*

)+F &<	8-C	8-C	8-C	E ± .38	8-C
6ESB1, 6VSB1	**3.36** *85.34*	**1.82** *46.23*	**0.91** *23.11*	**2.375** *60.325*	**2.78** *70.61*
10ESB1, 10VSB1	**3.36** *85.34*	**1.82** *46.23*	**1.28** *32.51*	**2.375** *60.325*	**2.78** *70.61*
10ESB6, 10VSB6	**3.47** *88.14*	**1.82** *46.23*	**1.53** *38.86*	**2.375** *60.325*	**2.78** *70.61*
20ESB1, 20VSB1	**3.85** *97.79*	**2.07** *52.58*	**1.31** *33.27*	**2.938** *74.625*	**3.35** *85.09*
20ESB6, 20VSB6	**4.00** *101.60*	**2.07** *52.58*	**1.53** *38.86*	**2.938** *74.625*	**3.35** *85.09*
30ESB6, 30VSB6	**4.92** *124.97*	**2.07** *52.58*	**1.53** *38.86*	**3.947** *100.254*	**4.33** *109.98*

For email, phone or live chat, please go to
tycoelectronics.com/help
corcom.com

High Performance B Series RFI Line Filters *(continued)*

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Measured in closed 50 Ohm system

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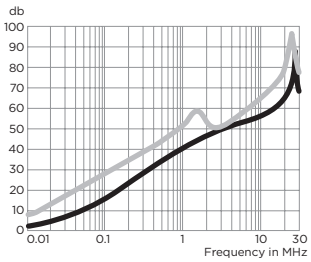

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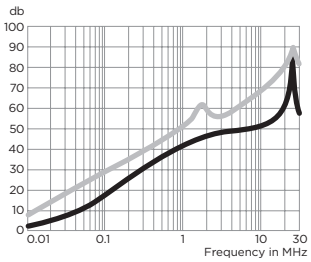

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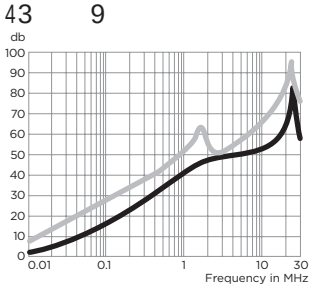

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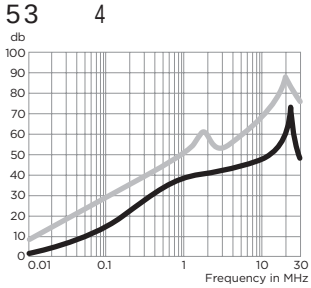

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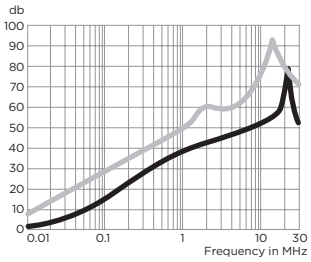

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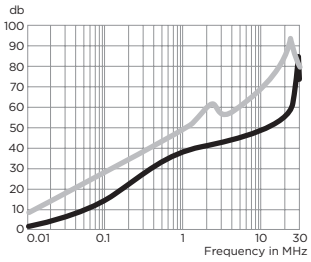

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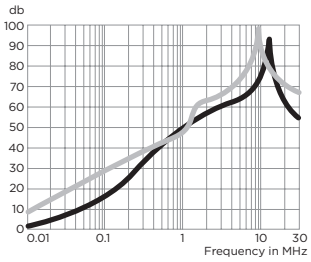

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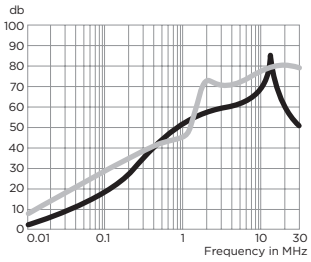

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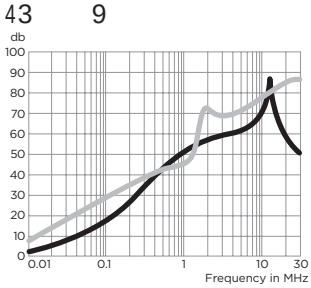

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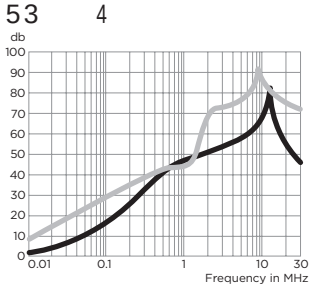

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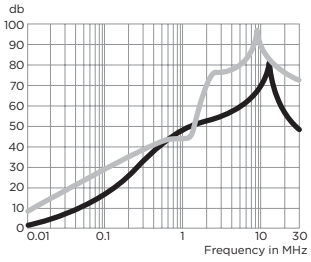

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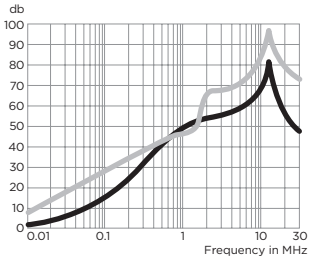

——— Common Mode / Asymmetrical (L-G)
——— Differential Mode / Symmetrical (L-L)