

High Performance B Series RFI Line Filters

SB Series

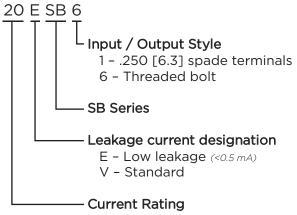


UL Recognized CSA Certified VDE Approved

SB Series

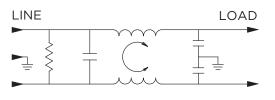
- Enhanced performance version of our popular B Series of RFI line filters
- Small size with enhanced performance
- 30A version half the size of other 30A filters
- Low leakage version available that meets current requirements of VDE portable equipment and non-patient care medical equipment

Ordering Information



6, 10, 20 or 30A

Electrical Schematic





Specifications

Maximum leakage current each Line to Ground:

@ 120 VAC 60 Hz:	<u>VSB Models</u> .75 mA	ESB Models .22 mA
@250 VAC 50 Hz:	1.25 mA	.36 mA
Hipot rating (one minute)	:	
Line to Ground:		2250 VDC
Line to Line:		1450 VDC
Rated Voltage (max):		250 VAC
		250 VDC
Operating Frequency:		50/60 Hz
Rated Current:		6 to 30A
Operating Ambient Temp	erature Range	è
(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: $I_0 = I_r \sqrt{(85-Ta)/45}$

Available Part Numbers

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

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.

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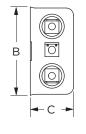


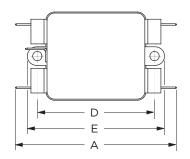
High Performance B Series RFI Line Filters (continued)

SB Series

Case Styles

6ESB1 & 6VSB1

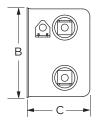


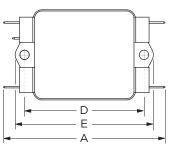


Typical Dimensions:

Line/Load Terminals (4): Ground Terminal (1): Mounting Holes (2): .250 [6.3] with .07 [1.8] Dia. hole .250 [6.3] with .07 x .16 [1.8 x 3.8] slot .188 [4.75] Dia.

10ESB1, 10VSB1, 20ESB1 & 20VSB1

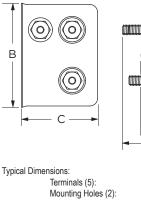


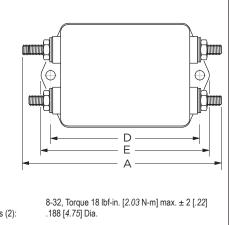


Typical Dimensions:

Line/Load Terminals (4): Ground Terminal (1): Mounting Holes (2): .250 [6.3] with .07 [1.8] Dia. hole .250 [6.3] with .07 x .16 [1.8 x 3.8] slot .188 [4.75] Dia.

ESB6 & VSB6





Part No.	Α	В	С	D	Е	
Fart NO.	(max)	(max)	(max)	<u>± .015</u> ± .38	(max)	
6ESB1,	3.36	1.82	0.91	2.375	2.78	
6VSB1	85.34	46.23	23.11	60.325	70.61	
10ESB1,	3.36	1.82	1.28	2.375	2.78	
10VSB1	85.34	46.23	32.51	60.325	70.61	
10ESB6,	3.47	1.82	1.53	2.375	2.78	
10VSB6	88.14	46.23	38.86	60.325	70.61	
20ESB1,	3.85	2.07	1.31	2.938	3.35	
20VSB1	97.79	52.58	33.27	74.625	85.09	
20ESB6,	4.00	2.07	1.53	2.938	3.35	
20VSB6	101.60	52.58	38.86	74.625	85.09	
30ESB6,	4.92	2.07	1.53	3.947	4.33	
30VSB6	124.97	52.58	38.86	100.254	109.98	

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High Performance B Series RFI Line Filters (continued)

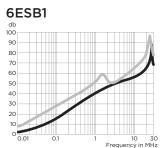
SB Series

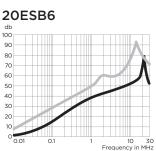
Performance Data

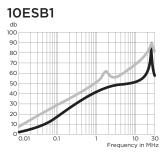
Typical Insertion Loss

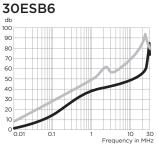
Measured in closed 50 Ohm system

ESB Models

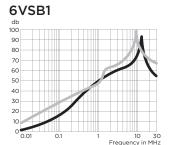




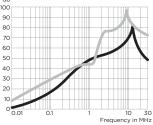


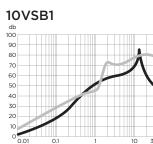


VSB Models

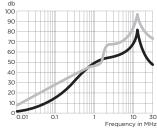




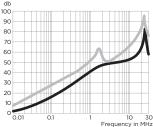




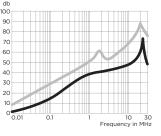
30VSB6

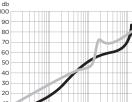


10ESB6



20ESB1





10VSB6

db 100

90

60

50

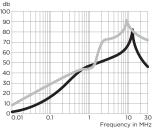
40

20

30

Frequency in MHz

20VSB1



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

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RFI Power Line Filters

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10 30 Frequency in MHz

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High Performance B Series RFI Line Filters (continued)

SB Series

Performance Data (continued)

Minimum Insertion Loss

Measured in closed 50 Ohm system

	Frequency – MHz										
Part No.	.03	.05	.1	.15	.5	1	2	5	10	20	30
ESB Models	s										
6ESB1	3	8	13	17	31	37	40	47	50	58	62
10ESB1	3	9	15	19	31	39	41	44	47	54	51
10ESB6	3	9	14	18	31	39	41	44	47	54	54
20ESB1	3	7	13	15	30	35	37	39	40	46	40
20ESB6	3	7	13	16	30	35	39	40	44	58	46
30ESB6	3	7	13	17	30	34	37	40	42	49	58
VSB Models	S										
6VSB1	3	8	14	19	37	47	51	58	66	59	49
10VSB1	3	9	15	21	41	49	50	56	64	54	46
10VSB6	4	9	15	21	39	49	50	56	64	54	44
20VSB1	3	7	14	19	37	45	47	50	60	48	40
20VSB6	3	7	14	19	37	44	49	52	62	48	41
30VSB6	3	6	13	18	37	45	49	51	60	50	42

Common Mode / Asymmetrical (Line to Ground)

Differential Mode / Symmetrical (Line to Line)

	Frequency – MHz											
Part No.	.01	.03	.05	.1	.15	.5	1	2	5	10	20	30
ESB Mode	s											
6ESB1	5	14	20	25	29	41	49	47	50	60	74	72
10ESB1	5	15	20	26	29	41	47	50	54	64	74	74
10ESB6	5	14	20	25	29	41	47	48	50	60	62	64
20ESB1	5	15	21	26	29	41	45	48	54	63	70	66
20ESB6	5	15	21	26	29	41	44	48	54	63	70	66
30ESB6	5	14	20	25	29	40	46	50	50	58	70	70
VSB Mode	s											
6VSB1	5	14	20	25	29	40	41	57	66	78	56	62
10VSB1	5	15	21	26	29	39	40	60	64	67	67	64
10VSB6	5	14	20	25	29	39	40	60	64	68	70	64
20VSB1	5	15	20	26	29	40	42	60	68	70	70	67
20VSB6	5	15	21	26	29	39	38	58	68	70	70	66
30VSB6	5	15	20	25	29	39	39	56	62	70	70	66

单击下面可查看定价,库存,交付和生命周期等信息

>>TE Connectivity(泰科)