SK Series

UL Recognized
CSA Certified
VDE Approved

SK Series

- Designed to reduce conducted noise to acceptable limits for equipment that must comply with FCC / EN specifications
- Utilizes significantly higher element values than the general purpose K Series which makes them better suited for equipment with Line to Ground and Line to Line conducted emissions including those with switching power supplies
- ESK6C and VSK6C incorporate separate ground circuit inductor to isolate the equipment chassis from power line ground at RF frequencies

Ordering Information

10 E SK 7 M

Suffix
M – Metric inserts *(style 7 only)*
Omit for standard or none
C – Ground choke *(30ESK/VSK only)*

Input / Output Style
1 – .250 [6.3] spade terminals
3 – Wire leads
6 – Threaded bolt
7 – IEC inlet* *(line side)*
.250 [6.3] spade terminals
(load side)

SK Series

Leakage current designation
E – Low leakage *(<0.5 mA)*
V – Standard

Current Rating
3, 6, 10, 20, 30 or 40A

**IEC 60320-1 C14 inlet mates with C13 connector*

Specifications

Maximum leakage current each Line to Ground:

3, 6 & 10A	VSK Models	ESK Models
@120 VAC 60 Hz:	.4 mA	.21 mA
@250 VAC 50 Hz:	.7 mA	.36 mA
20, 30 & 40A		
@120 VAC 60 Hz:	.75 mA	.3 mA
@250 VAC 50 Hz:	1.25 mA	.5 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 40A

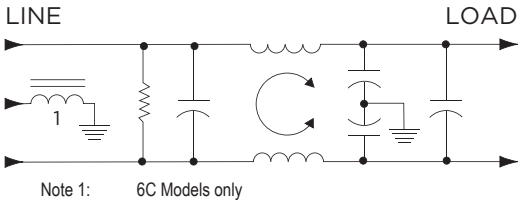
Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Available Part Numbers

3VSK1	3ESK1	20ESK6
3VSK3	3ESK3	20VSK6
3VSK7	3ESK7	30ESK6
3VSK7M	3ESK7M	30ESK6C
6VSK1	6ESK1	30VSK6
6VSK3	6ESK3	30VSK6C
6VSK7	6ESK7	40VSK6
6VSK7M	6ESK7M	
10VSK1	10ESK1	
10VSK3	10ESK3	
10VSK7	10ESK7	
10VSK7M	10ESK7M	

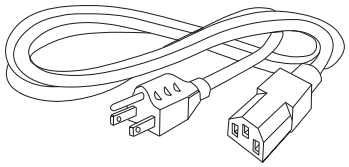
SK Series

Electrical Schematic



Accessories

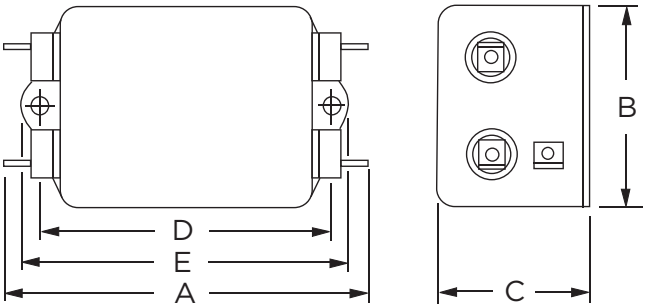
GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



ESK6 / VSK6

Case Styles

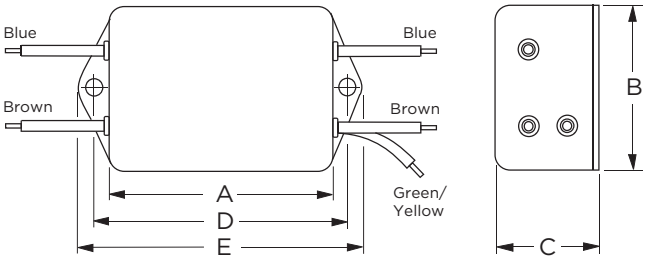
SK1



Typical Dimensions:

Line/Load Terminals (4):	.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
Mounting Holes (2):	.188 [*4.78*] Dia.

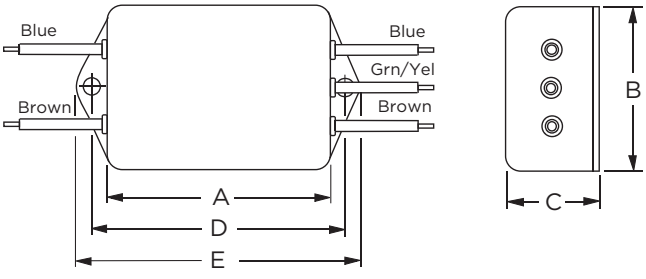
SK3 (3A)



Typical Dimensions:

Wire Leads (5):	4.0 [*101.6*] Min., AWG18
Mounting Holes (2):	.188 [4.78] Dia.

SK3 (6 & 10A)



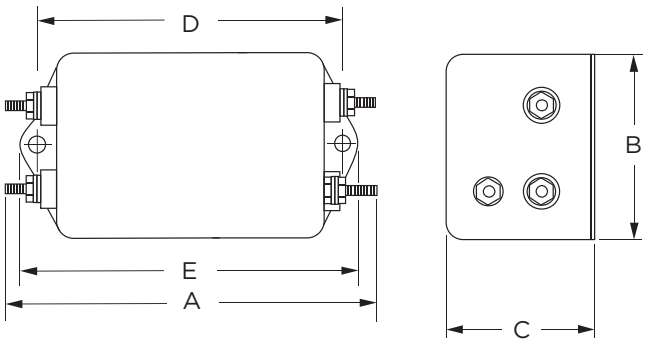
Typical Dimensions:

Wire Leads (5):	4.0 [*101.6*] Min., AWG18 (AWG16 for 10A)
Mounting Holes (2):	.188 [4.78] Dia.

SK Series

Case Styles *(continued)*

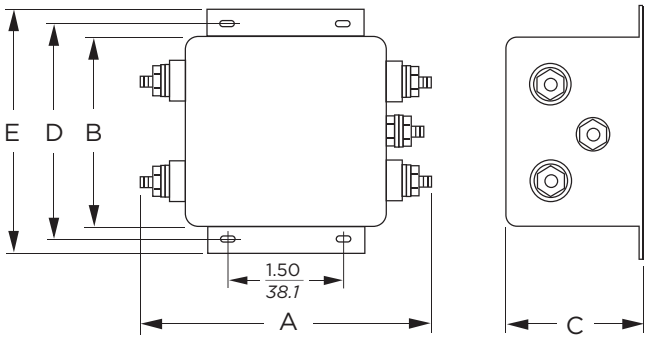
SK6 (20A)



Typical Dimensions:

Terminals (5):	8-32, Torque 18 lbf-in. [*2.03* N-m] max. ± 2 [*.22*]
Mounting Holes (2):	.188 [4.78] Dia.

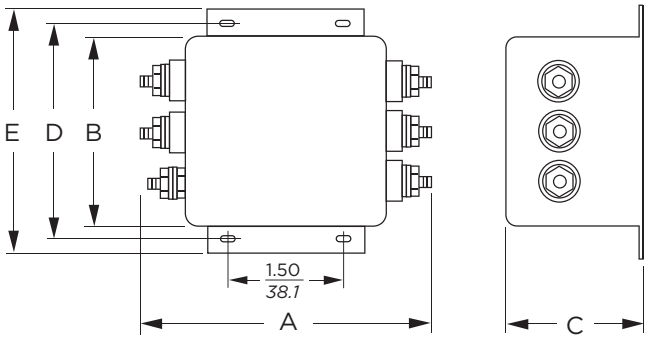
SK6 (30A)



Typical Dimensions:

Terminals (5):	10-32, Torque 27 lbf-in. [*3.05* N-m] max. ± 2 [*.22*]
Mounting Slots (4):	.250 x .156 [*6.35 x 3.96*] Dia.

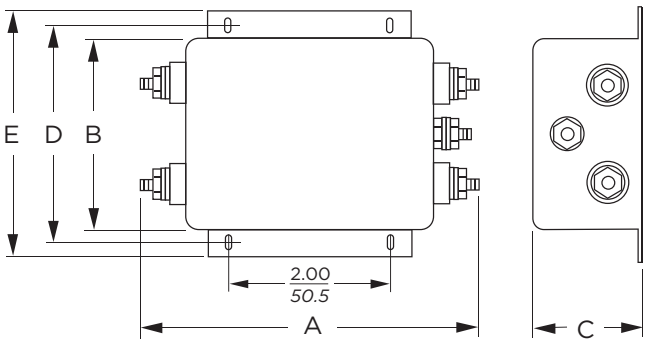
SK6C (30A)



Typical Dimensions:

Terminals (5):	10-32, Torque 27 lbf-in. [*3.05* N-m] max. ± 2 [*.22*]
Mounting Slots (4):	.250 x .156 [*6.35 x 3.96*] Dia.

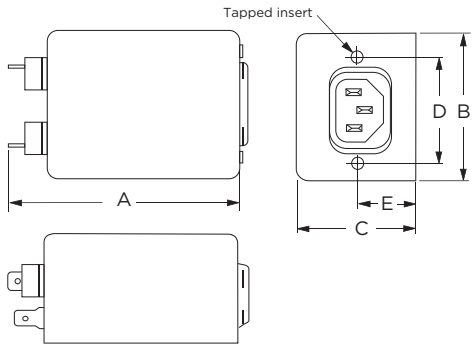
SK6 (40A)



Typical Dimensions:

Terminals (5):	10-32, Torque 27 lbf-in. [*3.05* N-m] max. ± 2 [*.22*]
Mounting Slots (4):	.203 x .156 [*5.15 x 3.96*] Dia.

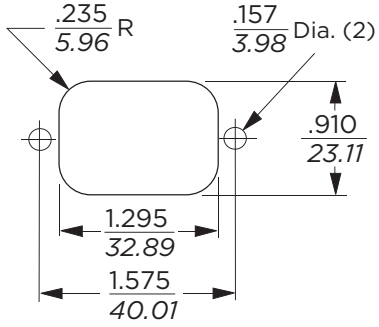
SK7 & SK7M



Typical Dimensions:

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
Line Inlet (1):	IEC 60320-1 C14
K7 Tapped Inserts (2):	6-32 x 1/4
K7M Tapped Inserts (2):	M3 x .5

Recommended Panel Cutout



Tolerance ± .005 [0.13]
Back Mount Only

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SK Series

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
3VSK1, 3ESK1	**3.85** *97.8*	**2.07** *52.6*	**1.16** *29.5*	**2.938** *74.63*	**3.35** *85.1*
3VSK3, 3ESK3	**2.56** *65.0*	**2.07** *52.6*	**1.16** *29.5*	**2.938** *74.63*	**3.35** *85.1*
3VSK7/7M, 3ESK7/7M	**3.21** *81.5*	**2.25** *57.2*	**1.53** *38.9*	**1.575** *40.01*	**0.63*** *16.0**
6VSK1, 6ESK1	**4.34** *110.2*	**2.25** *57.2*	**1.28** *32.5*	**3.427** *87.05*	**3.83** *97.3*
6VSK3, 6ESK3	**3.05** *77.5*	**2.25** *57.2*	**1.28** *32.5*	**3.427** *87.05*	**3.83** *97.3*
6VSK7/7M, 6ESK7/7M	**3.21** *81.5*	**2.25** *57.2*	**1.78** *45.2*	**1.575** *40.01*	**0.63*** *16.0**
10VSK1, 10ESK1	**4.97** *126.2*	**2.25** *57.2*	**1.78** *45.2*	**4.063** *103.2*	**4.46** *113.3*
10VSK3, 10ESK3	**3.69** *93.7*	**2.25** *57.2*	**1.78** *45.2*	**4.063** *103.2*	**4.46** *113.3*
10VSK7/7M, 10ESK7/7M	**4.34** *110.0*	**2.25** *57.2*	**1.78** *45.2*	**1.575** *40.01*	**0.63*** *16.0**
20VSK6, 20ESK6	**5.09** *127.3*	**2.25** *57.2*	**1.78** *45.2*	**4.063** *103.2*	**4.46** *129.3*

Part No.	A (max)	B (max)	C (max)	D ± .020 / ± .51	E (max)
30VSK6, 30ESK6	**4.92** *125.0*	**3.12** *79.25*	**2.75** *69.85*	**3.437** *87.3*	**4.00** *101.6*
30VSK6C, 30ESK6C	**4.92** *125.0*	**3.12** *79.25*	**2.75** *69.85*	**3.437** *87.3*	**4.00** *101.6*
40VSK6	**6.45** *163.83*	**3.12** *79.25*	**2.18** *55.4*	**3.50** *88.9*	**3.96** *100.6*

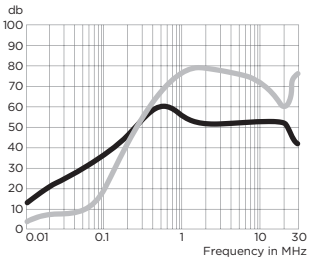
*±0.02 [0.5]

Performance Data

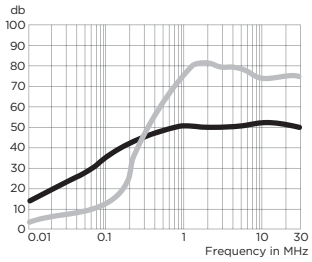
Typical Insertion Loss

Measured in closed 50 Ohm system

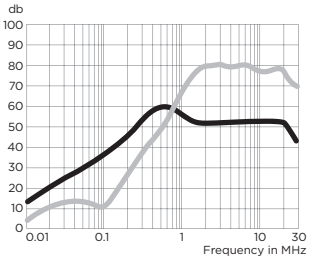
3 & 6VSK



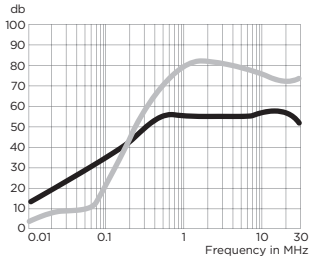
3 & 6ESK



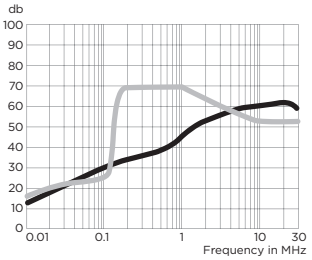
10 & 20VSK



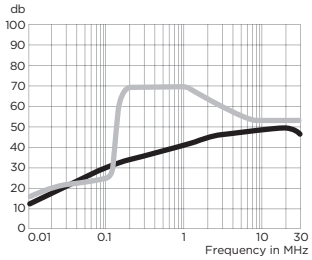
10 & 20ESK



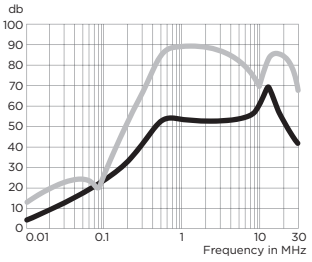
30VSK



30ESK



40VSK



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

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SK Series

Performance Data *(continued)*

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz								
	.01	.08	.1	.15	.5	1	5	10	30
VSK Models									
3A, 6A	4	23	25	29	43	44	42	42	30
10A	4	23	25	29	43	44	42	42	30
20A	7	23	25	29	43	44	48	48	48
30A	2	13	14	15	27	31	46	51	39
40A	2	15	18	22	40	43	45	50	30
ESK Models									
3A, 6A	4	22	24	28	42	40	36	36	27
10A	4	22	24	28	42	40	36	36	27
20A	7	22	24	28	35	38	45	45	45
30A	2	13	15	15	27	31	40	41	36

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz								
	.01	.08	.1	.15	.5	1	5	10	30
VSK Models									
3A, 6A	1	3	10	25	59	65	62	40	40
10A	1	3	3	10	55	65	65	50	50
20A	1	10	8	8	45	60	65	60	60
30A	5	13	13	13	60	60	51	43	43
40A	7	14	16	30	65	65	65	57	50
ESK Models									
3A, 6A	1	3	10	25	59	65	62	40	40
10A	1	3	3	10	55	65	65	65	45
20A	1	10	8	8	45	60	65	60	60
30A	5	12	12	13	60	60	51	43	43

Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург, Промышленная ул, дом № 19, литера Н, помещение 100-Н Офис 331