

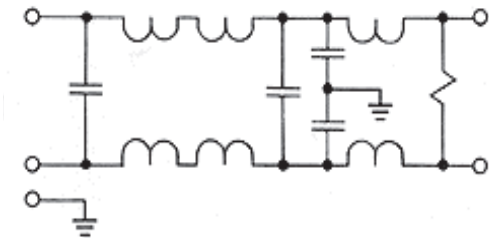
SX

ENHANCED PERFORMANCE SWITCH MODE EMI FILTER

FEATURES

- » **Rated currents** include **3A, 7.5A, 15A, 20A, 30A, 45A and 60A**
- » Available with **QD** (tabs), **S** (studs) and **C** (connectors) option
- » Enhanced Performance Design
- » End Mount, Low Profile, Connector & Flange Mount Available
- » Agency Approved to UL E78081, CSA LR53652
- » Y-cap value can be adjusted to fit specification

ELECTRICAL SCHEMATIC

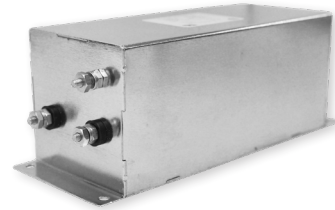


HOW TO ORDER

SX XX LF



NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **SX30 F** (30 AMPS FLANGE MOUNT)



SPECIFICATIONS

OPERATING FREQUENCY	50/60Hz
MAX. OPERATING VOLTAGE	250VAC +10%
TERMINALS (-T)	QD: 0.25 TABS STUDS: 8-32 (3-30A),

TYP. WEIGHT, LBS (KG)	0.5 - 5.25 (0.27 - 5.80)
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LEAKAGE CURRENT

@ 250 VAC 60 Hz	0 - 2.2 mA Max.
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HIPOT RATINGS

LINE TO GROUND	2200 VDC - 2550 VDC
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TYPICAL APPLICATIONS

- ✓ Household Appliances
- ✓ Industrial Equipment
- ✓ Power Supplies
- ✓ Consumer Electronics
- ✓ Office Automation Equipment
- ✓ Data Processing Systems

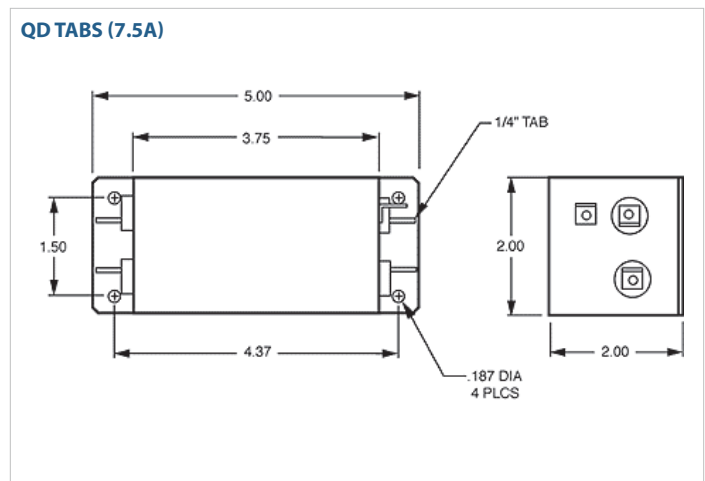
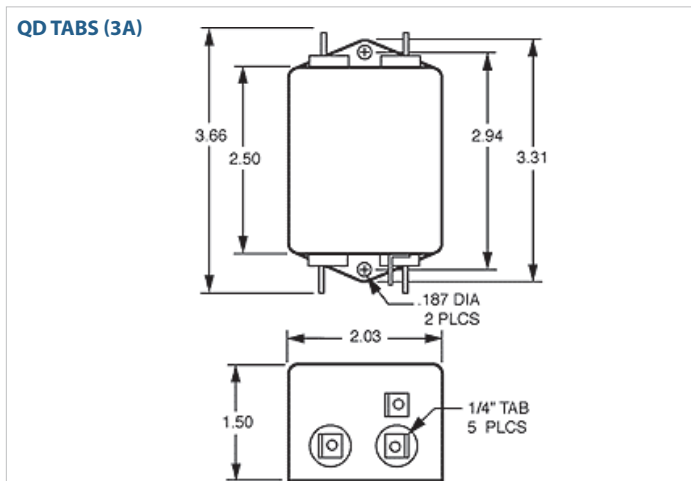
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MODEL NO.	RATED CURRENT (A) @ 40° C	Y-CAP, nF	LEAKAGE CURRENT, mA @ 250V AC, 60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(QD) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
SX3	3	2x.0047μF	0.8mA	✓			2.03"	3.7"	1.5"
SX3 S	3	2x.0047μF	0.8mA		✓		2.03"	3.76"	1.5"
SX3C	3	*	*			✓	*	*	*
SX7 F	7.5	2x.0047μF	0.8mA	✓			2"	4.95"	2"
SX7L	7.5	2x.0047μF	0.8mA	✓			2.05"	6.44"	1.5"
SX7L S	7.5	2x.0047μF	0.8mA		✓		*	*	*
SX7	7.5	*	0.8mA	*	*	*	*	*	*
SX7 S	7.5	*	*		✓		*	*	*
SX15 F	15	2x.01μF	1.4mA		✓		3"	5.51"	2.75"
SX15	15	*	1.4mA				*	*	*
SX20 F	20	2x.01μF	1.4mA		✓		3"	6.26"	2.75"
SX20A F	20	2x.01μF/2x .0047μF	1.4mA		✓		3"	6.26"	2.75"
SX20	20	*	1.4mA	*	*	*	*	*	*
SX30 F	30	2x.01μF	1.4mA		✓		3"	8.26"	2.75"
SX30 H	30	2x.01μF	1.4mA		✓		3"	8.26"	2.75"
SX30A F	30	2x.01μF/2x .0047μF	2.1mA		✓		3"	8.26"	2.75"
SX30	30	*	1.4mA	*	*	*	*	*	*
SX45	45	*	1.8mA	*	*	*	*	*	*
SX60	60	*	2.2mA	*	*	*	*	*	*

*Contact factory for part data.

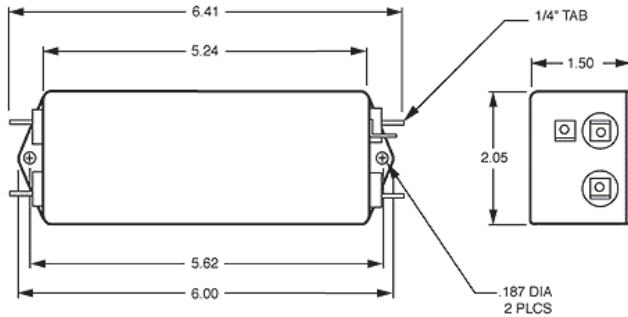
SX MECHANICAL OUTLINES (MM)



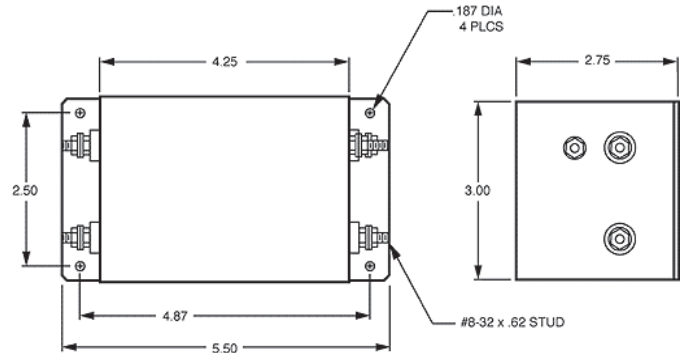
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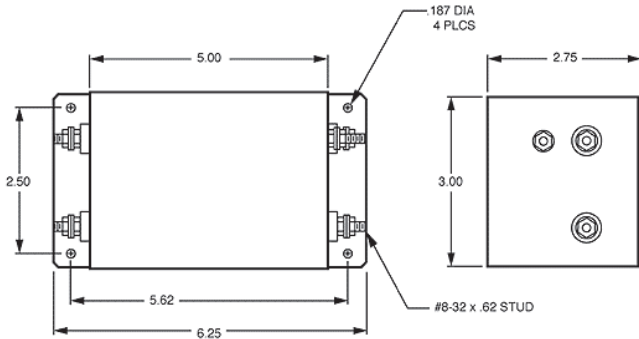
QD TABS (7.5A) LOW PROFILE



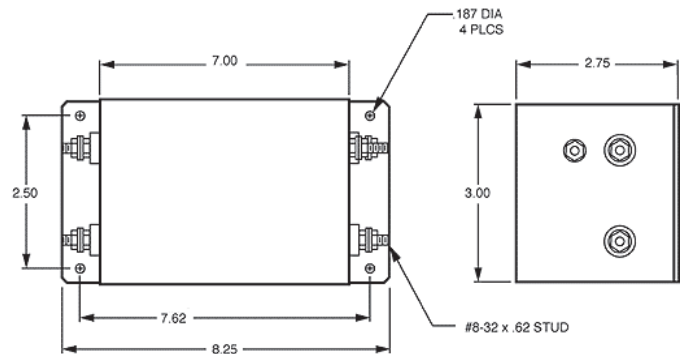
STUDS (15A)



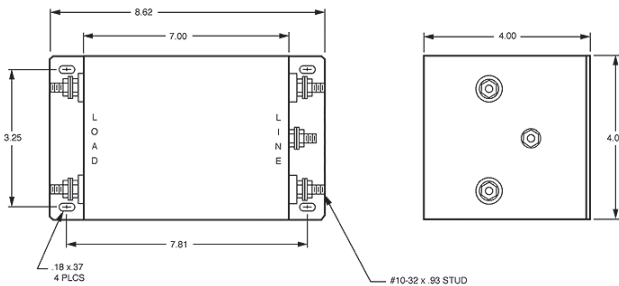
STUDS (20A)



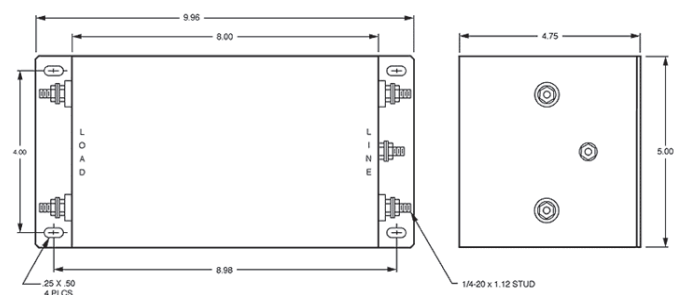
STUDS (30A)



STUDS (45A)



STUDS (60A)



TYPICAL TOLERANCE: +/-0.02" (0.50MM)



SX

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TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
3	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68
7.5	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68
15	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68
20	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68
30	CM (dB)	60	65	55	60	63
	DM (dB)	55	65	55	64	68
45	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68
60	CM (dB)	60	65	55	60	63
	DM (dB)	60	65	55	64	68

Mouser Electronics

Authorized Distributor

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[SX7 F](#) [SX7 S](#) [SX7L](#) [SX7L S](#)