

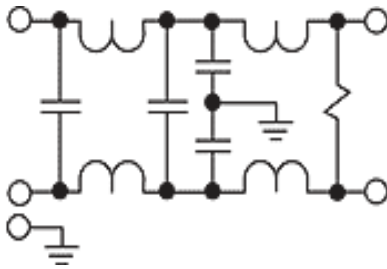
SF

HIGH PERFORMANCE SWITCH MODE EMI FILTER

FEATURES

- » Rated currents include **3A, 5A, 7.5A, 10A, 15A, 20A, 24A, 30A, 45A and 60A**
- » Available with **QD** (tabs), **S** (studs) and **C** (connectors) option
- » End Mount, Low Profile, Connector & Flange Mount Available
- » Agency Approved to UL E78081, CSA LR53652, TUV
- » Y-cap value can be adjusted to fit specification

ELECTRICAL SCHEMATIC

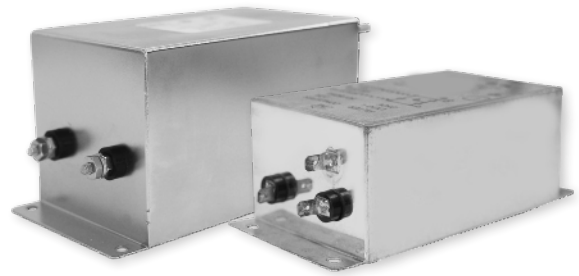


HOW TO ORDER

SF XX LF



NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **SF24 LF**(24 AMPS, LOW PROFILE CASE, FLANGE MOUNT)



SPECIFICATIONS

OPERATING FREQUENCY	50/60Hz
MAX. OPERATING VOLTAGE	250VAC +10%
TERMINALS (-T)	QD: 0.25 TABS STUDS: 8-32 (1-5A), 10-32(10-45A) 1/4-20 (60A)
TYP. WEIGHT, LBS (KG)	0.36 - 10.7 (0.16 - 4.85)

LEAKAGE CURRENT

@ 250 VAC 60 Hz	0 - 2.1 mA Max.
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HIPOT RATINGS

LINE TO GROUND	2200 VDC - 2700 VDC
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TYPICAL APPLICATIONS

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

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HIGH PERFORMANCE SWITCH MODE EMI FILTER

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
SF3 S	3	2x.0047μF	*			✓	2"	*	1.25"
SF3C	3	2x.0047μF	.80			✓	2.03"	3.1"	1.5"
SF3C S	3	2x.0047μF	.80			✓	2.03"	3.13"	1.5"
SF3	3	2x.0047μF	.80	✓			2.03"	3.2"	1.25"
SF5C	5	*	*			✓	*	*	*
SF7C	7.5	2x.0047μF	.8			✓	2.15"	3.47"	1.75"
SF7C S	7.5	2x.0047μF	.8			✓	2.15"	3.5"	1.75"
SF7	7.5	2x.0047μF	.80	✓			2.03"	3.7"	1.5"
SF7 S	7.5	2x.0047μF	.80		✓		2.03"	3.76"	1.5"
SF10	10	2x.0047μF	.80	✓			2.15"	4.07"	1.78"
SF10 S	10	2x.0047μF	.80		✓		2.15"	4.13"	1.78"
SF15	15	2x.0047μF	.80	✓			2.91"	4.26"	2"
SF15L	15	2x.0047μF	.80	✓			2.05"	6.44"	1.5"
SF15 S	15	2x.0047μF	.80		✓		2.91"	4.32"	2"
SF15L S	15	2x.0047μF	.80		✓		2.05"	6.5"	1.5"
SF15A	15	2x.0047μF/2x .0022μF	1.2	✓			2.91"	4.26"	2"
SF20	20	2x.0047μF	.80		✓		4.12"	5.17"	1.5"
SF20A	20	2x.0047μF/2x .0022μF	1.1		✓		4.12"	5.17"	1.5"
SF20L	20	2x.0068μF	.9		✓		2.05"	6.5"	1.5"
SF20AL	20	2x.0068μF/2x .0033μF	1.2		✓		2.05"	6.5"	1.5"
SF24 LF	24	2x.0068μF	1.0		✓		4.25"	8.11"	2.25"
SF24L	24	2x.0068μF	1.0		✓		3.06"	6.26"	2.25"
SF24 LH	24	*	1.0				*	*	*
SF30 F	30	2x.01μF	1.4		✓		3"	5.51"	2.75"
SF30A F	30	2x.01μF/2x .0047μF	2.1		✓		3"	6.11"	2.75"
SF30	30	*	1.4				*	*	*
SF45 F	45	2x.01μF	1.4		✓		3"	8.86"	2.75"
SF45 H	45	2x.01μF	1.4		✓		3"	8.86"	2.75"
SF45A H	45	2x.01μF/2x .0047μF	2.1		✓		3"	8.86"	2.75"
SF45	45	*	1.4				*	*	*
SF60 F	60	2x.01μF/2x .001μF	1.6		✓		4"	9.24"	4"
SF60	60	*	1.6				*	*	*

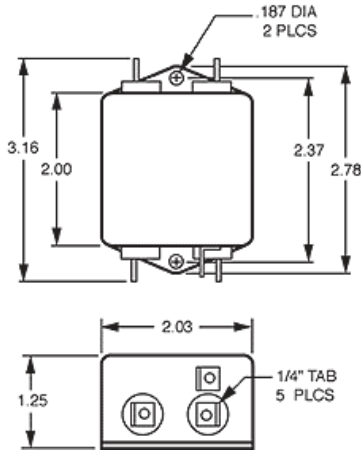
*Contact factory for part data.

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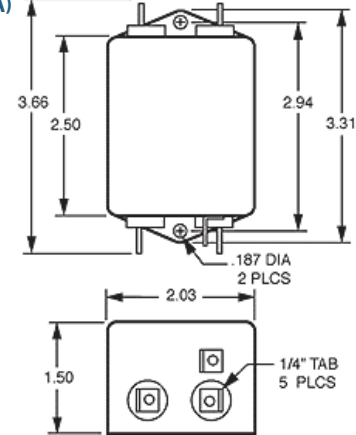
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SF MECHANICAL OUTLINES (MM)

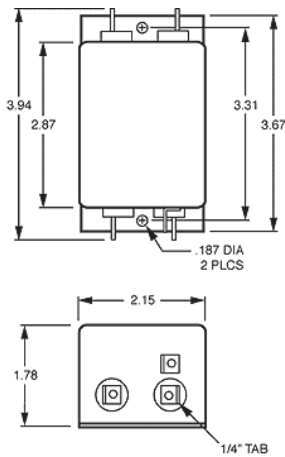
QD TABS (3A)



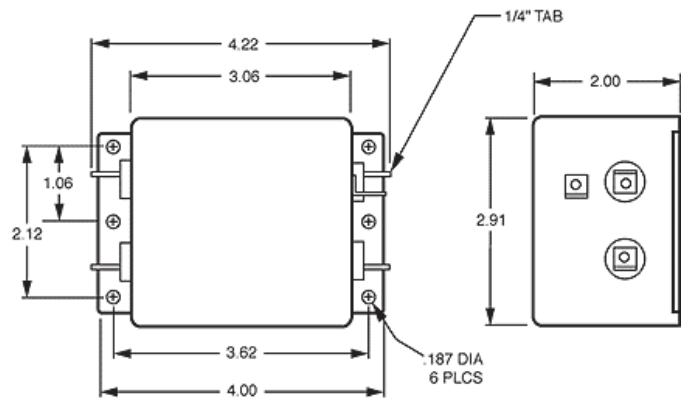
QD TABS (7.5A)



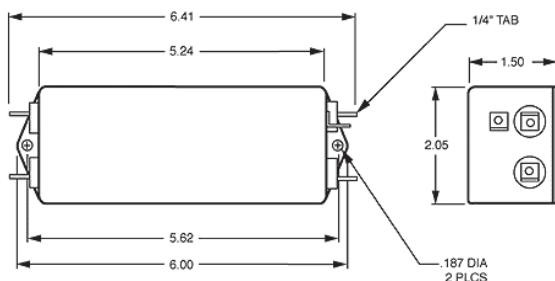
QD TABS (10A)



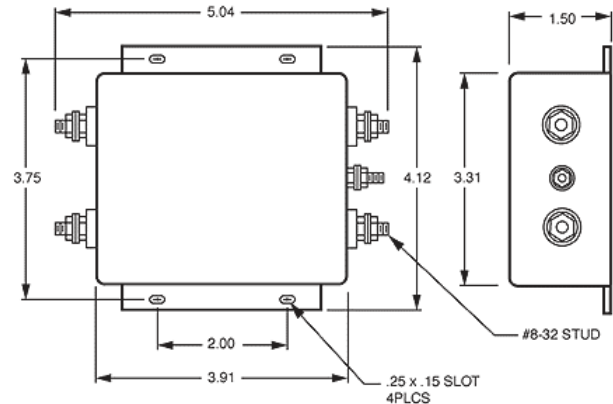
QD TABS (15A)



QD TABS (15A) LOW PROFILE



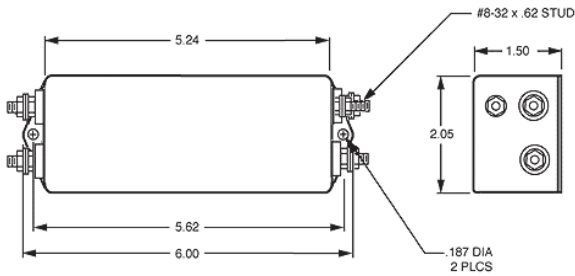
STUDS (20A)



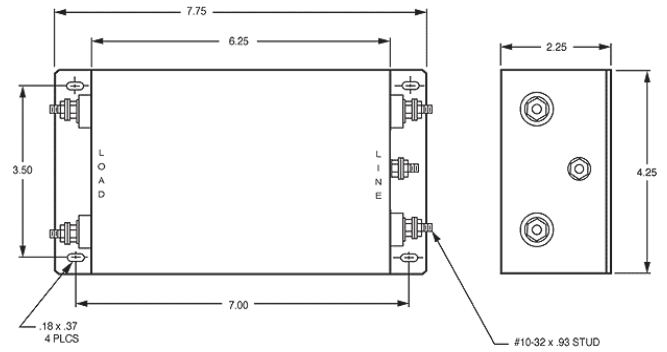
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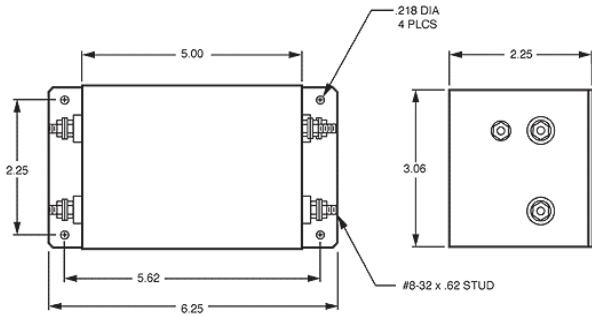
STUDS (20A) LOW PROFILE



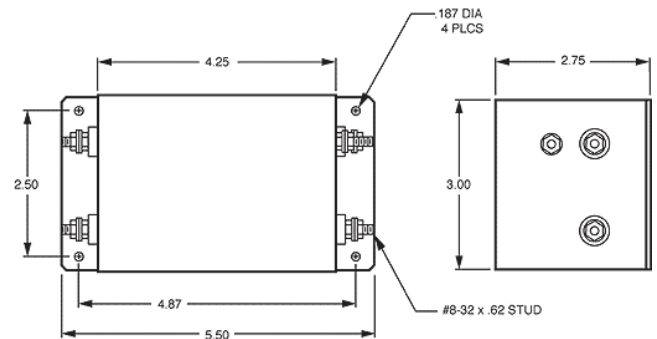
STUDS (24A)



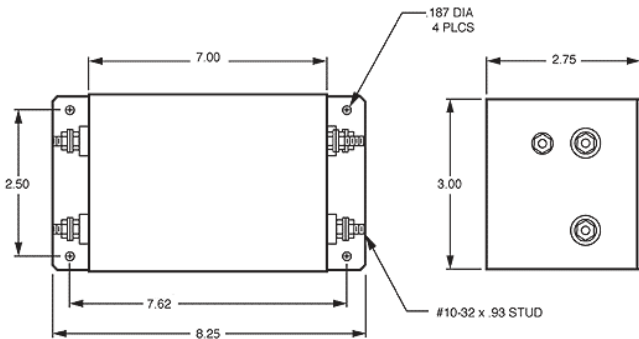
STUDS (24A) LOW PROFILE



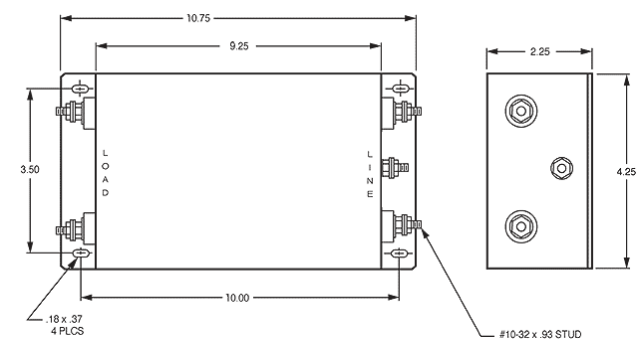
STUDS (30A)



STUDS (45A)



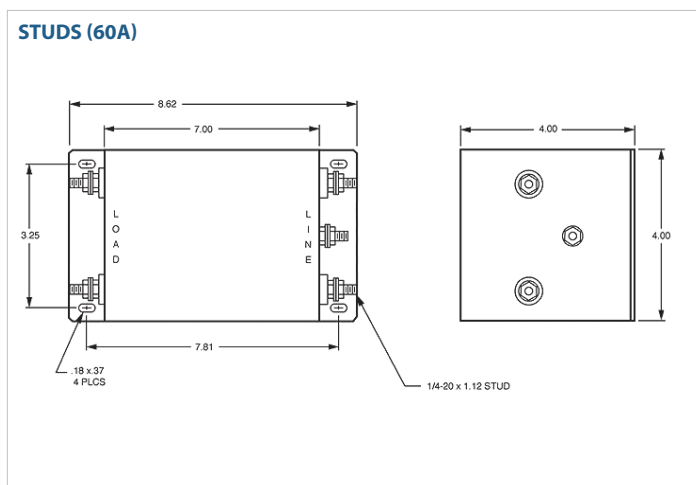
STUDS (45A) LOW PROFILE



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

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

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
3	CM (dB)	45	60	51	67	74
	DM (dB)	45	65	52	69	78
5	CM (dB)	45	60	51	67	74
	DM (dB)	45	65	52	69	78
7.5	CM (dB)	30	60	51	67	74
	DM (dB)	45	65	52	69	78
10	CM (dB)	45	50	51	67	74
	DM (dB)	45	65	52	69	78
15	CM (dB)	50	60	51	67	74
	DM (dB)	42	65	52	69	78
20	CM (dB)	45	60	51	67	74
	DM (dB)	43	65	52	69	78
24	CM (dB)	45	60	51	67	74
	DM (dB)	45	60	52	69	78
30	CM (dB)	50	65	51	67	74
	DM (dB)	45	65	52	69	78
45	CM (dB)	45	55	51	67	74
	DM (dB)	45	60	52	69	78
60	CM (dB)	45	60	51	67	74
	DM (dB)	45	65	52	69	78