

D1L

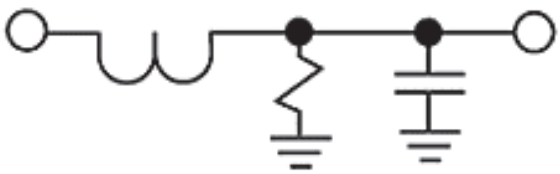
HIGH PERFORMANCE SEVERE ENVIRONMENT FILTER

FEATURES

- **Rated currents** include **5A, 10A, 20A, 40A and 75A**
- Single Stage Line Filter
- Available with **QD** (tabs) and **S** (studs) option
- Flange Mount Available
- High Performance Design
- Designed for applications subject to MIL STD 461
- Y-cap value can be adjusted to fit specification



ELECTRICAL SCHEMATIC



SPECIFICATIONS

MAX. OPERATING VOLTAGE	60VDC +10%
TERMINALS (-T)	QD: 0.25 TABS/ STUDS: 8-32 (5-75A)
TYP. WEIGHT, LBS (KG)	0.48 - 1.45 (0.21 - 0.65)

LEAKAGE CURRENT

@ 250 VAC 60 Hz	Contact Factory

HIPOT RATINGS

LINE TO GROUND	150 VDC - 200 VDC

HOW TO ORDER

D1LXX F

F =	(F) FLANGE (H) END MOUNT
XX =	RATED CURRENT
D1L=	FILTER SERIES

NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **D1L10 F**(10 AMPS, FLANGE MOUNT)

TYPICAL APPLICATIONS

- ✓ Grounded return systems
- ✓ Mobile system
- ✓ MIL ground vehicles

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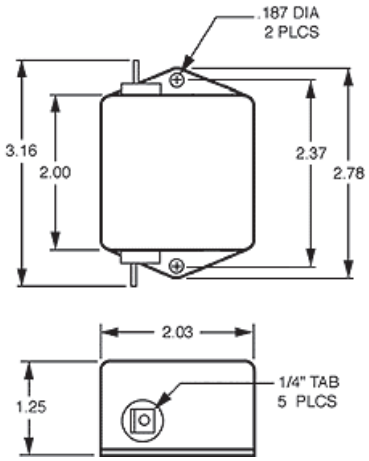
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MODEL NO.	RATED CURRENT (A) @ 40° C	Y-CAP, nF	LEAKAGE CURRENT, mA @ 250V AC, 60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(QD)INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
D1L5	5	.0047µF/1µF/2µF	*	✓			2.03"	3.2"	1.25"
D1L5 S	5	.0047µF/1µF/2µF	*	✓			2.03"	3.2"	1.25"
D1L10	10	.0047µF/2µF/4µF	*	✓			2.03"	3.7"	1.5"
D1L20	20	*	*		✓		*	*	*
D1L20 F	20	.0047µF/4µF/8µF	*		✓		2"	5.01"	2"
D1L40	40	*	*		✓		*	*	*
D1L75	75	*	*		✓		*	*	*

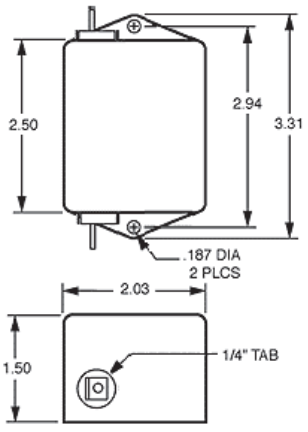
*Contact factory for part data.

D1L MECHANICAL OUTLINES (MM)

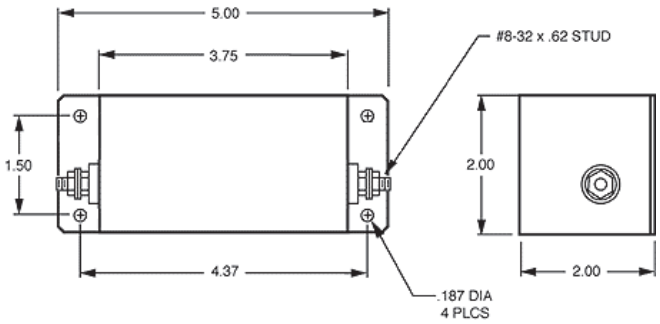
QD TABS (5A)



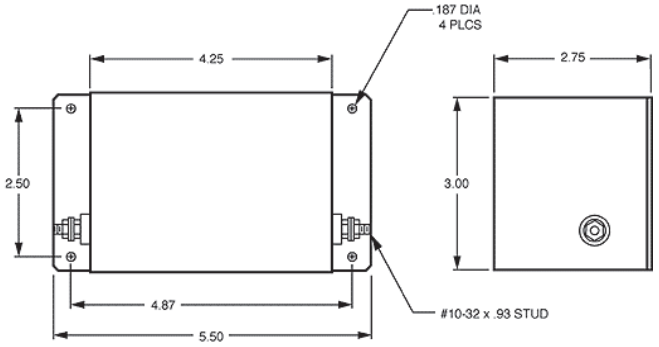
QD TABS (10A)



STUDS (20A)



STUDS (40A)



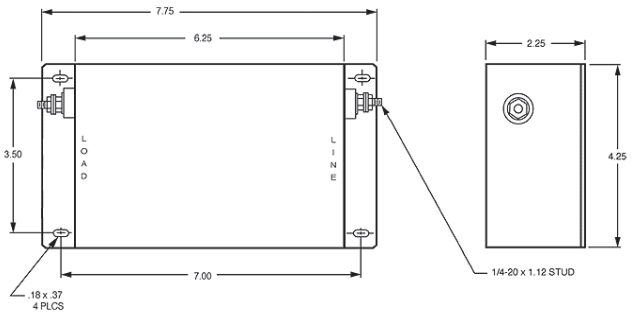
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STUDS (70A)



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

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
5	CM (dB)	*	*	*	*	*
	DM (dB)	55	60	51	58	62
10	CM (dB)	*	*	*	*	*
	DM (dB)	55	60	51	58	62
20	CM (dB)	*	*	*	*	*
	DM (dB)	55	60	51	58	62
40	CM (dB)	*	*	*	*	*
	DM (dB)	55	60	51	58	62
75	CM (dB)	*	*	*	*	*
	DM (dB)	55	60	51	58	62

*Contact factory for part data.

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