



RP600C Series

High Performance, W/ Circuit Breaker DC Power Line Filter

RP600C HIGH PERFORMANCE TO 125A DC FILTER WITH CIRCUIT BREAKER

ROHS COMPLIANT

SPECIFICATIONS

Max. Operating Voltage	: 100VDC
Ambient Temperature	: -25 to 55C
Climatic Category	: 25/100/21
Hipot Rating (L-G)	: 2700VDC
Terminals (-T)	: S: 15/30/60A (M5) 80/100/125A (M6)
Safety Approvals	: UR, EN60939

PART NUMBER/ ORDERING

RP600C	-X (Amps)	-Y (Ycap, nF)	-T	-Z	Weight LBS (KG) Typ.
	15	10	S	B	2.5 (1.1)
	30	22		F	3.0 (1.4)
	60	100			4.0 (1.8)
	80				4.2 (1.9)
	100				5.5 (2.5)
	125				5.5 (2.5)

Note: -Z = Mounting

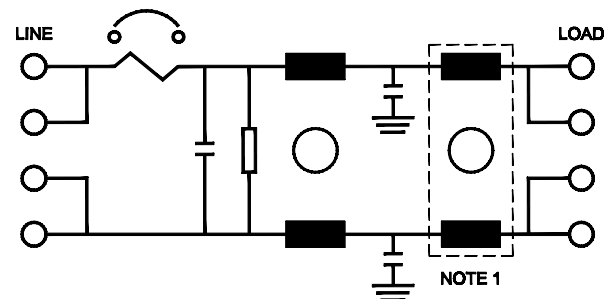
B = Bulkhead Mounting

F = Flange Mounting

Use any combination of -Y(YCap) with any -X (Amps) rating:
e.g. RP600C-30-10-S-F (30 Amps with 10nF Ycap, Flange)



SCHEMATIC



NOTE: 1
INDUCTOR REMOVED FOR 100A AND 125A



RP600C

Typical Insertion Loss, dB (50/50ohm)

15 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	22	42	50	50	40
DM (dB)	30	32	38	40	35

30 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	24	50	60	45	38
DM (dB)	32	35	60	45	30

60/80 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	18	40	40	45	35
DM (dB)	40	42	35	42	35

100 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	20	40	40	35	25
DM (dB)	40	42	30	45	35

125 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	20	32	34	30	20
DM (dB)	40	42	30	42	35

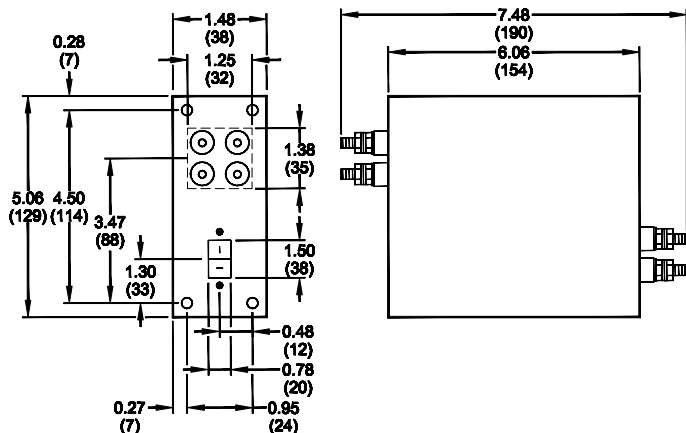


RP600C

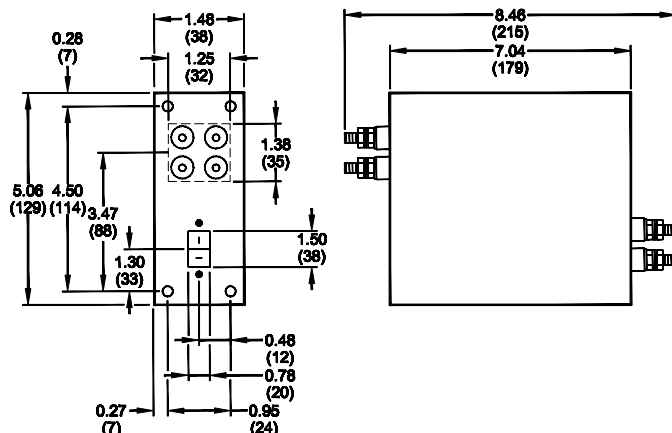
Bulkhead Mounting

Mechanical Dimensions

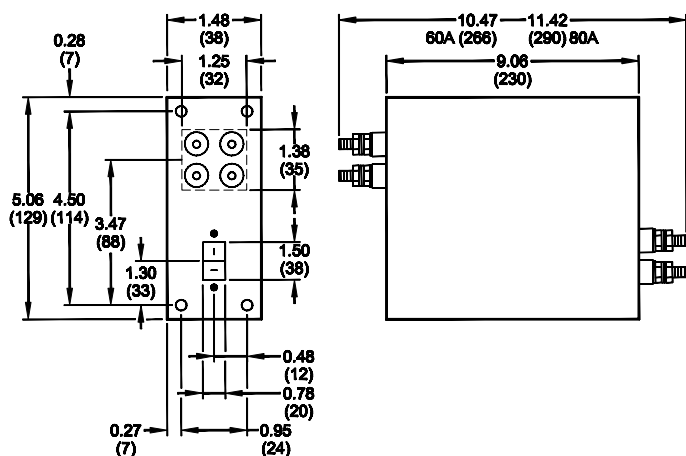
15 Amp



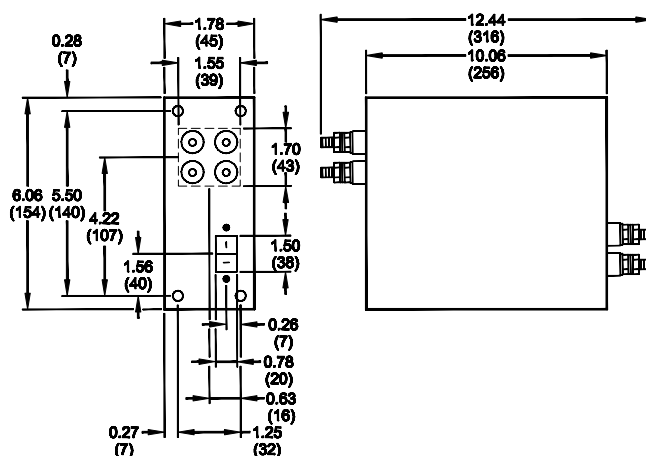
30 Amp



60/80 Amp



100/125 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

Reference purposes only.
Specifications are subject to change.
Consult factory to verify specifications.

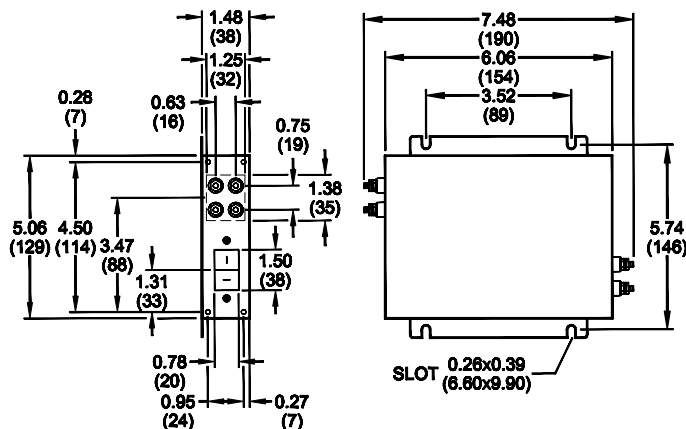


RP600C

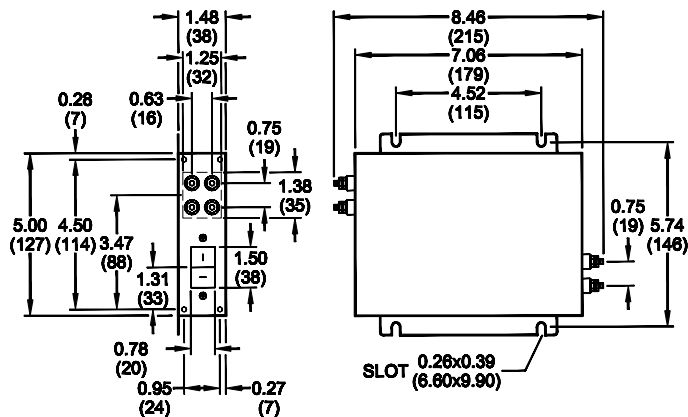
Flange Mounting

Mechanical Dimensions

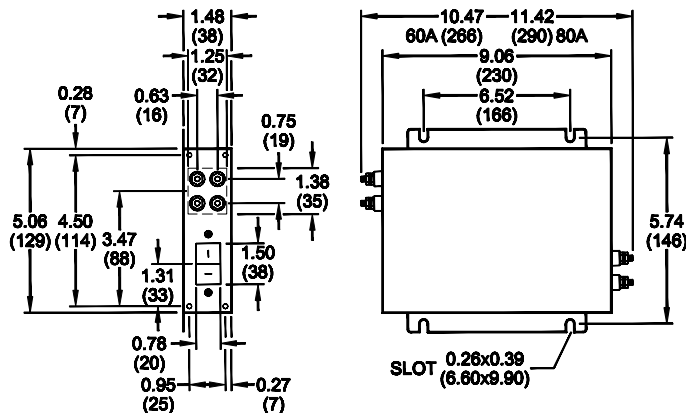
15 Amp



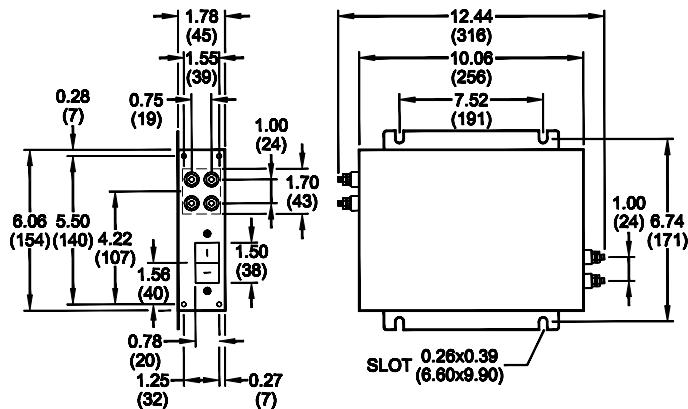
30 Amp



60/80 Amp



100/125 Amp



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Mouser Electronics

Authorized Distributor

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Astrodyne TDI:

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[C-F](#) [RP600C-60-4.7-S-B](#) [RP600C-100-4.7-C-F](#) [RP600C-100-4.7-S-B](#) [RP600C-30-4.7-S-F](#)