



RP125 Series

High Performance Single Stage Power Line Filter

RP125 HIGH PERFORMANCE TO 80A CHASSIS MOUNT FILTER

ROHS COMPLIANT



SPECIFICATIONS

Operating Freq.	: 50/60Hz
Usable Freq.	: DC - 400Hz
Max. Operating Voltage	: 250V +10%
Ambient Temperature	: -25 to 40C
Climatic Category	: 25/100/21
Hipot Rating (L-G)	: 2700VDC
Terminals (-T)	: S: 30/35A (M4) 45A (M5) 60/80A (M6)
Safety Approvals	: cURus, EN60939

PART NUMBER/ ORDERING

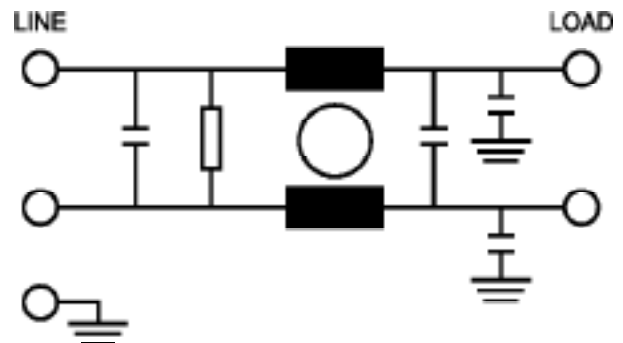
RP125	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	30	0	S	0.9 (0.4)
	35	.47		0.7 (0.3)
	45	1		2.0 (0.9)
	60	2.2		3.0 (1.4)
	80	4.7		5.5 (2.5)
		10		
		22		
		100		

Note: Use any combination of -Y with any -X (Amps) rating
e.g. RP125-45-100-S (45 Amps with 100nF Ycap)

LEAKAGE CURRENT

Y-cap, nF	mA, 120V/60Hz	mA, 250V/60Hz
0	0	0
.47	0.04	0.08
1	0.09	0.18
2.2	0.2	0.4
4.7	0.4	0.8
10	0.9	1.8
22	2	4
100	9	18

SCHEMATIC



RP125

Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

30 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	26	32	45	50
DM(dB)	34	65	65	70	70

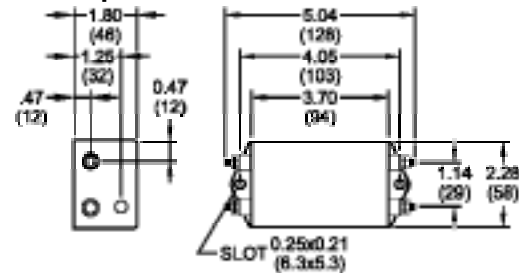
35 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	18	28	32	45	50
DM(dB)	36	65	65	70	70

45 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	26	32	45	60
DM(dB)	34	65	65	70	70

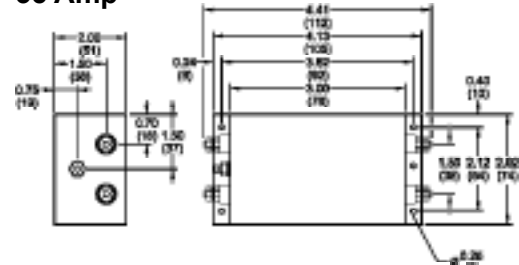
60 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	26	32	45	50
DM(dB)	40	70	70	70	70

80 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	26	32	45	50
DM(dB)	40	70	70	70	70

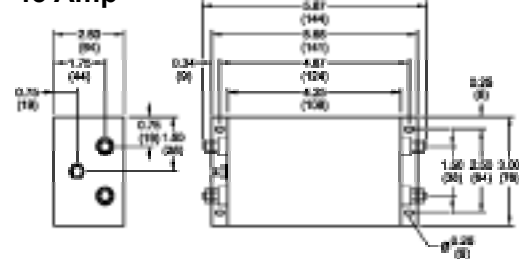
30 Amp



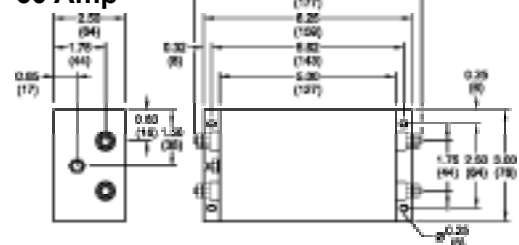
35 Amp



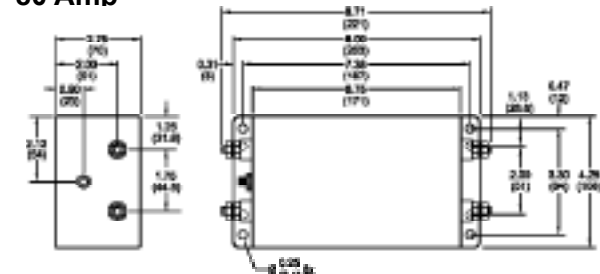
45 Amp



60 Amp



80 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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www.astrodyne.com

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