

## 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	: 300V +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

#### LEAKAGE CURRENT

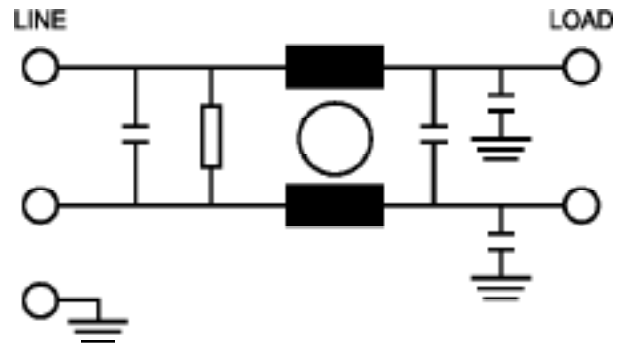
Y-cap, nF	mA, 120V/60Hz	mA, 250V/60Hz
0	0	0
.47	0.04	0.08
1	0.09	0.18
2.2	0.2	0.4
4.7	0.4	0.8
10	0.9	1.8
22	2	4
100	9	18

#### 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)

#### 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

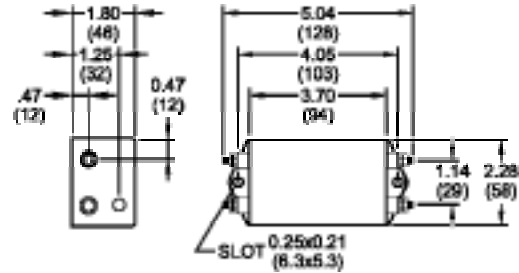
35 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	18	28	32	45	50
DM(dB)	36	65	65	70	70

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

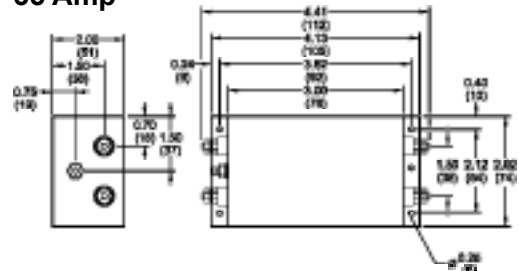
60 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	16	26	32	45	50
DM(dB)	40	70	70	70	70

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

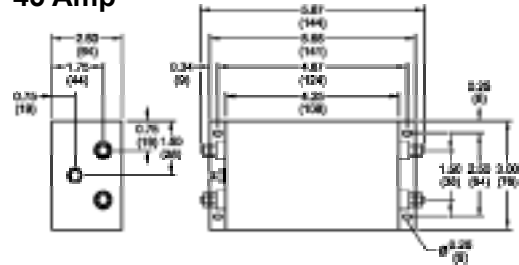
#### 30 Amp



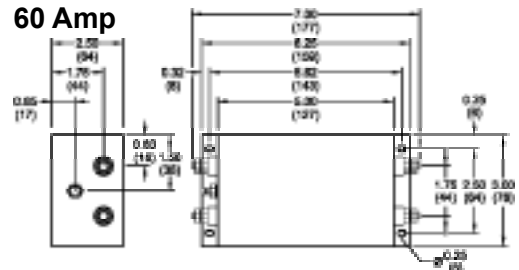
#### 35 Amp



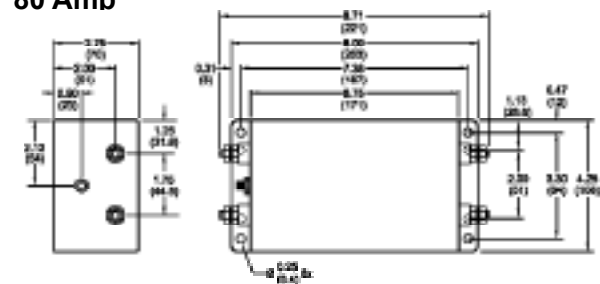
#### 45 Amp



#### 60 Amp



#### 80 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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