



## RP135 Series

## High Performance Single Stage Power Line Filter

### RP135 HIGH PERFORMANCE TO 200A 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)	: QD: 0.25 Tab (1-20A) S: 30A (M4) 60-100A (M6) 150-200A (M10)
Safety Approvals	: CSA, UR, EN60939

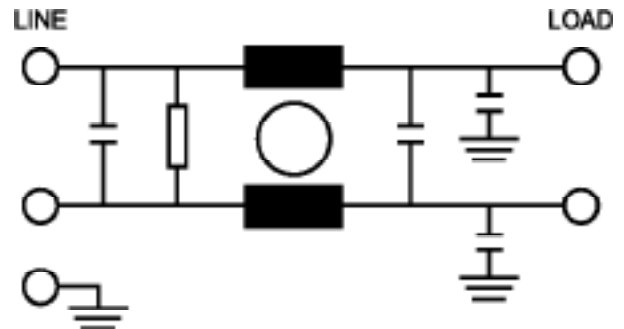
#### LEAKAGE CURRENT

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

RP135	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	1	0	QD	0.1 (0.04)
	3	.47		0.1 (0.04)
	6	1		0.1 (0.04)
	10	2.2		0.1 (0.04)
	16	4.7		0.5 (0.2)
	20	10		0.5 (0.2)
	30	22	S	0.5 (0.2)
	60	100		2.8 (1.3)
	100			6.0 (2.7)
	150			6.0 (2.7)
	180			6.0 (2.7)
	200			6.0 (2.7)

#### SCHEMATIC



**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP135-100-4.7-S (100 Amps with 4.7nF Ycap)

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

[www.radiuspower.com](http://www.radiuspower.com)  
[www.astrodyne.com](http://www.astrodyne.com)

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## RP135

### Typical Insertion Loss, dB (50/50ohm)

### Mechanical Dimensions

1 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	40	50	50	45	40
DM(dB)	15	26	45	50	50

3 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	30	42	50	55	35
DM(dB)	18	30	40	55	50

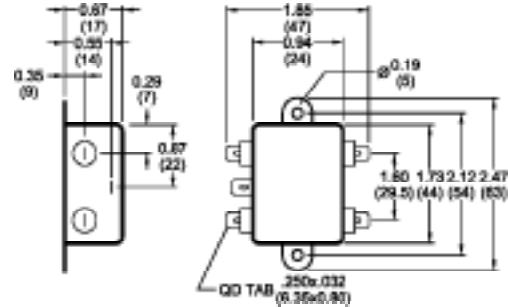
6 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	30	36	55	40
DM(dB)	15	26	32	55	40

10/16 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	18	25	40	55	45
DM(dB)	15	25	40	65	50

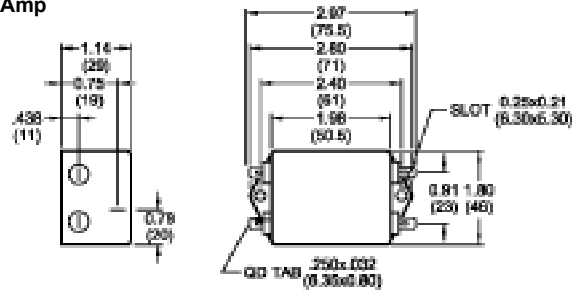
20 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	24	38	45	50	50
DM(dB)	42	60	65	60	50

30 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	30	40	45	50
DM(dB)	38	70	70	55	60

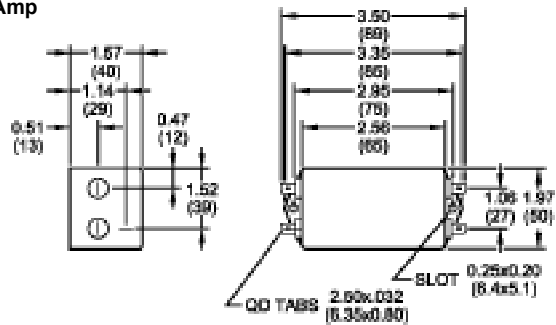
1/3/6/10 Amp



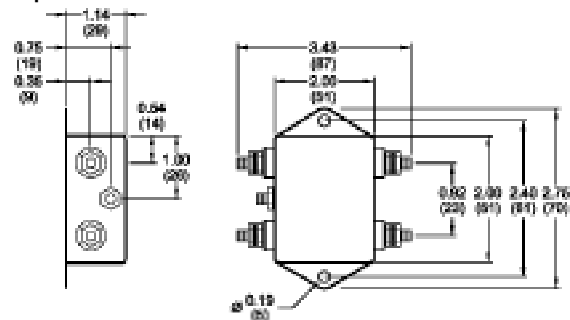
16 Amp



20 Amp



30 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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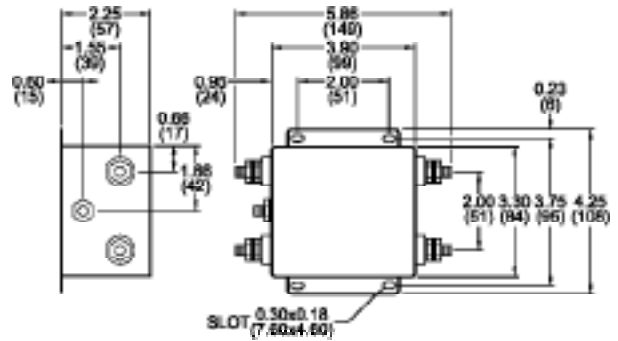
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## RP135

Typical Insertion Loss, dB (50/50ohm)

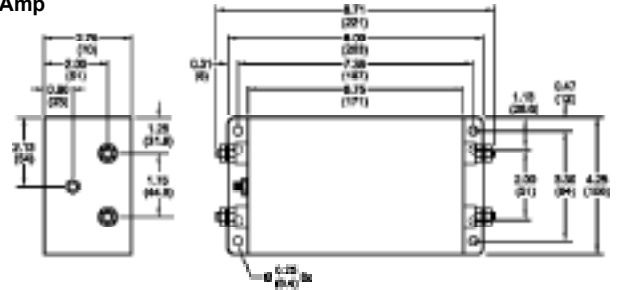
Mechanical Dimensions

60 Amp



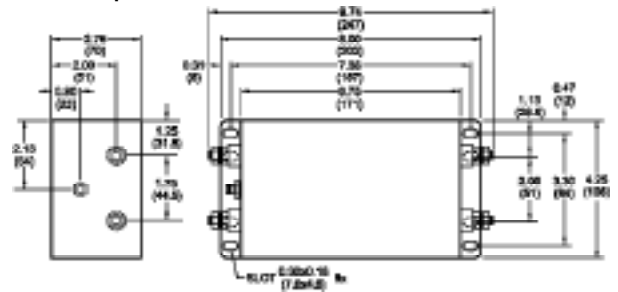
60 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	30	40	45	50
DM(dB)	38	70	70	55	60

100 Amp



100/150/180/200 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	30	40	45	50
DM(dB)	40	60	65	70	65

150/180/200 Amp



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TYPICAL TOLERANCE: +/-0.02 (0.50)

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