

# RP225 Series

## High Performance Dual Stage Power Line Filters



### 3 A to 20 A Chassis Mount Filter

#### Specifications

Operating Frequency	50/60 Hz
Usable Frequency	DC - 400 Hz
Max. Operating Voltage*	250 V +10%
Ambient Temperature	-25 to 40°C
Climatic Category	25/100/21
Hipot Rating (L-G)	2700 VDC
Terminals (-T)	QD: 0.25 Tabs
Safety Approvals	CSA, UR, EN60939

\*Available up to 300 VAC. Please contact us to verify specifications.



#### Electrical Schematic



#### Part Number/Ordering

RP225	-X (Amps)	-Y (Ycap, nF)	-T	Typ. Weight, lbs (kg)
	3	0	QD	0.8 (0.4)
	4	0.47		0.8 (0.4)
	6	1		0.8 (0.4)
	10	2.2		0.8 (0.4)
	12	4.7		0.8 (0.4)
	20	10		1.4 (0.6)

**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP225-20-10-QD (20 Amps with 10 nF Ycap)

Specifications are subject to change. Consult factory to verify specifications.

For more information on our filter products call us at: (800) 527-4362 or (714) 289-0055  
LCR, Radius Power, and Filter Concepts are now part of Astrodyne TDI

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### 3 A to 20 A Chassis Mount Filter

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

Freq (MHz)	0.15	0.5	1.0	10	30
<b>3 Amp</b>					
CM(dB)	14	28	30	65	65
DM(dB)	26	65	65	55	36
<b>4 Amp</b>					
CM(dB)	48	50	50	45	45
DM(dB)	65	75	75	65	60
<b>6 Amp</b>					
CM(dB)	19	32	36	65	50
DM(dB)	30	65	65	55	40
<b>10 Amp</b>					
CM(dB)	20	30	34	65	50
DM(dB)	26	65	65	52	45
<b>12 Amp</b>					
CM(dB)	22	35	40	65	50
DM(dB)	33	65	65	55	40
<b>20 Amp</b>					
CM(dB)	20	32	65	65	50
DM(dB)	26	65	65	50	45

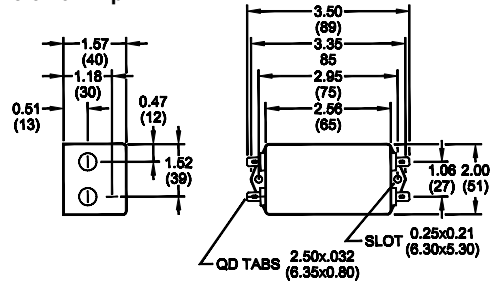
#### Leakage Current

Y-cap, nF	mA, 120 V/60 Hz	mA, 250 V/60 Hz
0	0.0	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

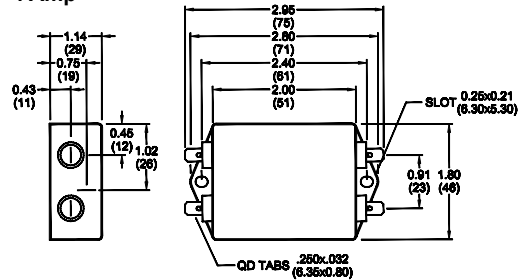
#### Mechanical Dimensions

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

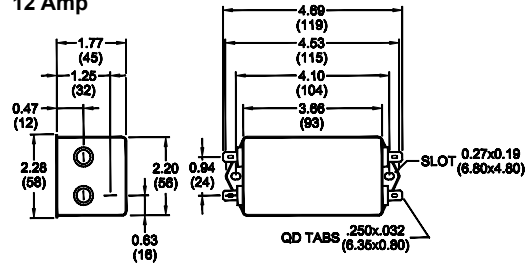
##### 3/6/10 Amp



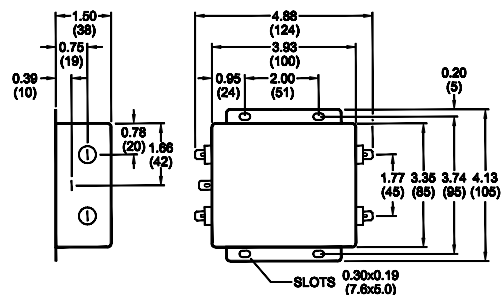
##### 4 Amp



##### 12 Amp



##### 20 Amp



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