

# RP210 Series

## Compact Dual Stage Power Line Filters



### 3 A to 16 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 Tab
Safety Approvals	cURus, EN60939

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

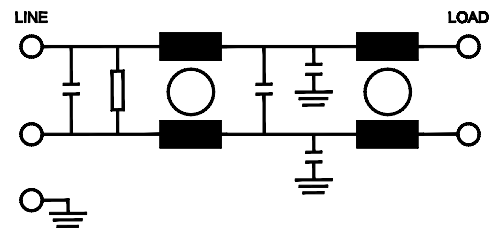


#### Part Number/Ordering

RP210	-X (Amps)	-Y (Ycap, nF)	-T	Typ. Weight, lbs (kg)
	3	0	QD	0.4 (0.2)
	6	0.47		0.4 (0.2)
	10	1		0.4 (0.2)
	16	2.2		0.5 (0.2)
		4.7		
		10		

**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP210-6-4.7-QD (6 Amps with 4.7 nF Ycap)

#### Electrical Schematic



#### 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

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

For more information on our filter products call us at: +1.908.850.5088 or Toll Free at +1.866.641.3310

LCR, Radius Power, and Filter Concepts are now part of Astrodyne TDI

[www.AstrodyneTDI.com](http://www.AstrodyneTDI.com)

# RP210 Series

## Compact Dual Stage Power Line Filters



### 3 A to 16 A Chassis Mount Filter

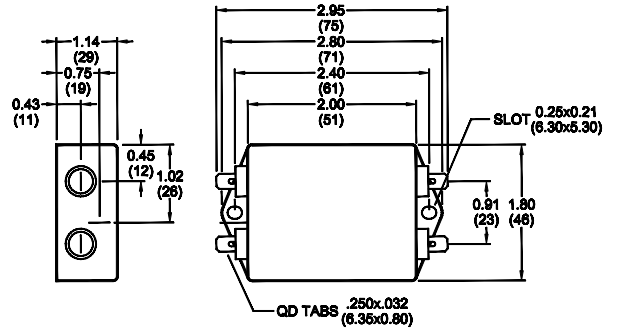
#### Typical Insertion Loss, dB (50/50 Ohm)

Freq (MHz)	0.15	0.5	1.0	10	30
<b>3 Amp</b>					
CM(dB)	40	50	50	45	40
DM(dB)	15	26	45	50	50
<b>6 Amp</b>					
CM(dB)	30	42	50	55	35
DM(dB)	18	30	40	55	50
<b>10 Amp</b>					
CM(dB)	20	30	36	55	40
DM(dB)	15	26	32	55	40
<b>16 Amp</b>					
CM(dB)	18	25	40	55	45
DM(dB)	15	25	40	65	50

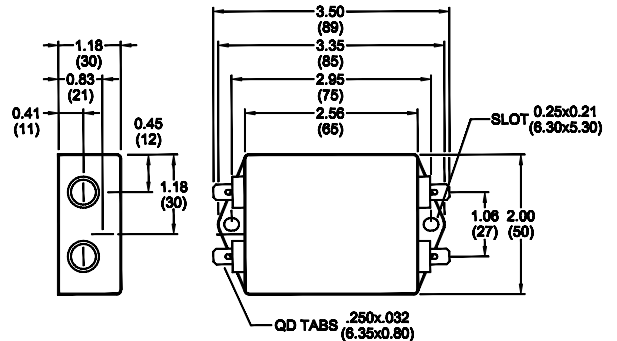
#### Mechanical Dimensions

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

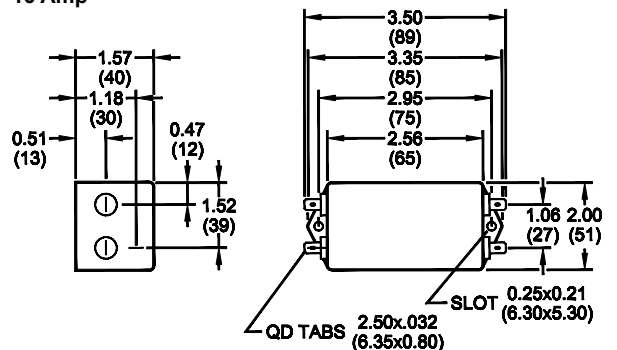
##### 3/6 Amp



##### 10 Amp



##### 16 Amp



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

For more information on our filter products call us at: +1.908.850.5088 or Toll Free at +1.866.641.3310

LCR, Radius Power, and Filter Concepts are now part of Astrodyne TDI