

## RP225 Series

## High Performance Dual Stage Power Line Filter

### RP225 DUAL STAGE TO 20A 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 Tabs
Safety Approvals	: CSA, UR, EN60939

#### LEAKAGE CURRENT

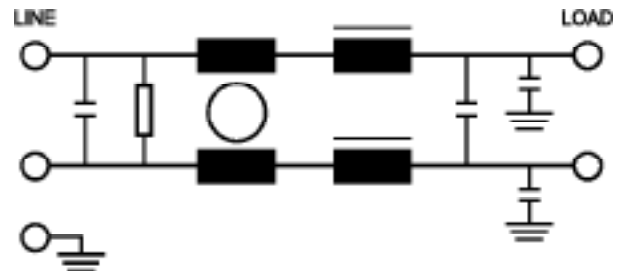
Y-cap, nF	mA, 120V/60Hz	mA, 250V/60Hz
0	0	0
.47	.042	0.08
1	.09	0.18
2.2	.2	0.4
4.7	.42	0.8
10	.9	1.8

#### PART NUMBER/ ORDERING

RP225	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	3	0	QD	0.8 (0.4)
	4	.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 (20Amps with 10nF Ycap)

#### SCHEMATIC



## RP225

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

### Mechanical Dimensions

3 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	14	28	30	65	65
DM(dB)	26	65	65	55	36

4 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	48	50	50	45	45
DM(dB)	65	75	75	65	60

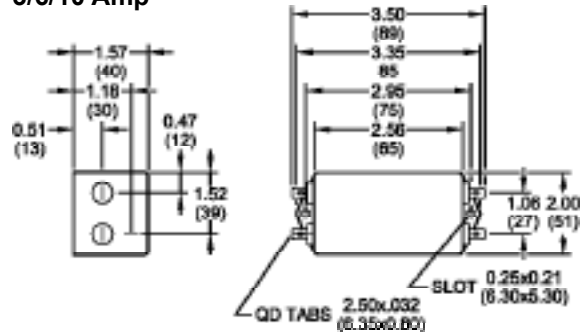
6 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	19	32	36	65	50
DM(dB)	30	65	65	55	40

10 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	30	34	65	50
DM(dB)	26	65	65	52	45

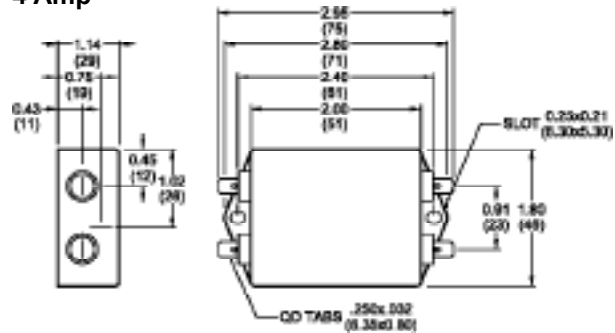
12 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	22	35	40	65	50
DM(dB)	33	65	65	55	40

20 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	20	32	65	65	50
DM(dB)	26	65	65	50	45

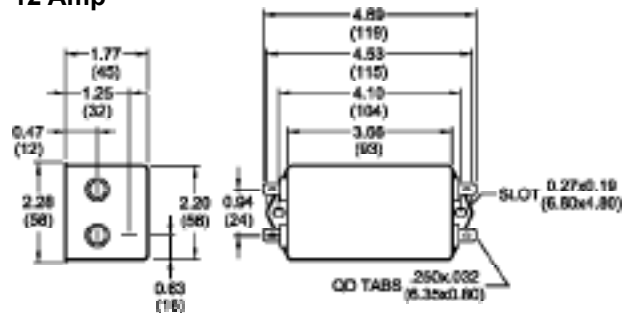
#### 3/6/10 Amp



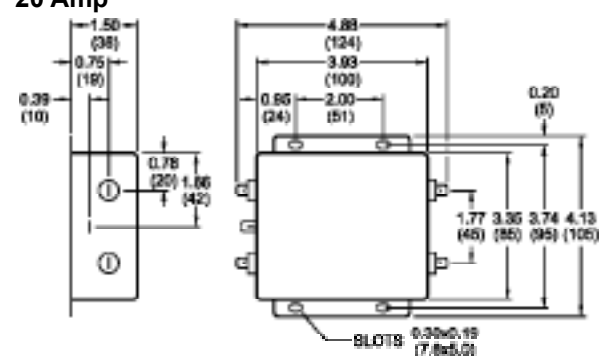
#### 4 Amp



#### 12 Amp



#### 20 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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

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