

## RP240 Series

## High Performance Dual Stage Power Line Filter

### RP240 SINGLE PHASE TO 150A CHASSIS MOUNT FILTER

ROHS COMPLIANT



### SPECIFICATIONS

Operating Freq.	: 50/60Hz
Usable Freq.	: DC - 400Hz
Max. Operating Voltage	: 300V +10%
Ambient Temperature	: -25 to 50C
Climatic Category	: 25/100/21
Hipot Rating (L-G)	: 2700VDC
Terminals (-T)	: QD: 0.25 Tabs (6-16A) S: 25-50A (M5) 80A (M6) 100/150A (M10)
Safety Approvals	: cURus, EN60939

### LEAKAGE CURRENT

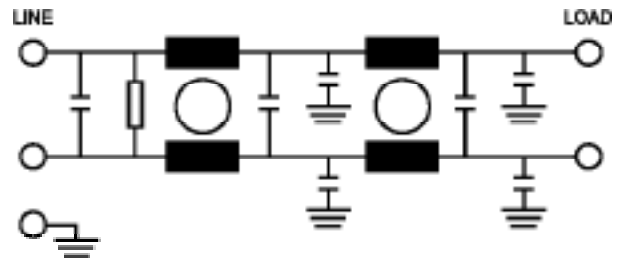
Y-cap, nF	mA, 120V/60Hz	mA, 250V/60Hz
0	0	0
2.2	0.2	0.4
4.7	0.4	0.8
10	0.9	0.18
22	2	4
100	9	1.8

### PART NUMBER/ ORDERING

RP240	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	6	0	QD	0.8 (0.4)
	12	2.2		2.6 (1.2)
	16	4.7		2.6 (1.2)
	25	10	S	3.2 (1.5)
	36	22		4.0 (1.8)
	50	100		4.0 (1.8)
	80			6.0 (2.7)
	100			7.0 (3.2)
	150			8.0 (3.6)

**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP240-50-4.7-S (50Amps with 4.7nF Ycap)

### SCHEMATIC



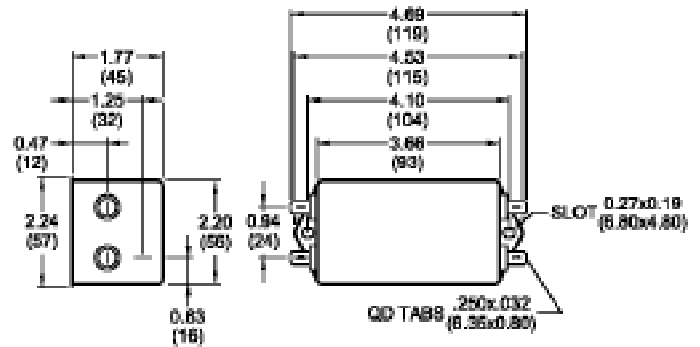
## RP240

Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

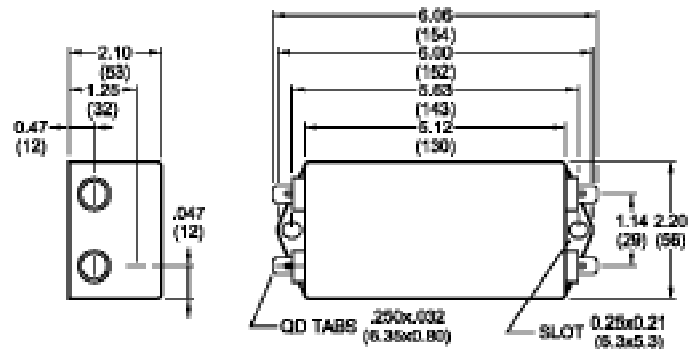
6 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	60	62	62	52	45
DM(dB)	40	60	68	60	60

### 6 Amp



12/16 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	60	62	62	50	40
DM(dB)	40	60	68	60	60

### 12/16 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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

## RP240

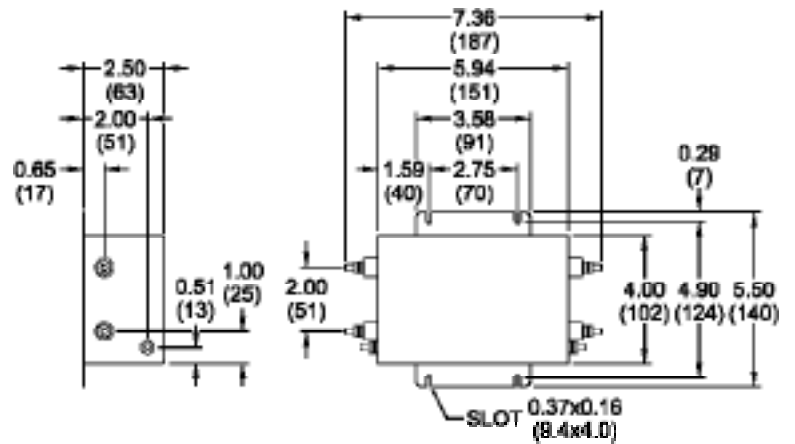
Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

25/36 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	24	46	50	60	60
DM(dB)	25	40	60	65	65

50 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	42	50	55	65	60
DM(dB)	60	60	65	65	65

### 25/36/50 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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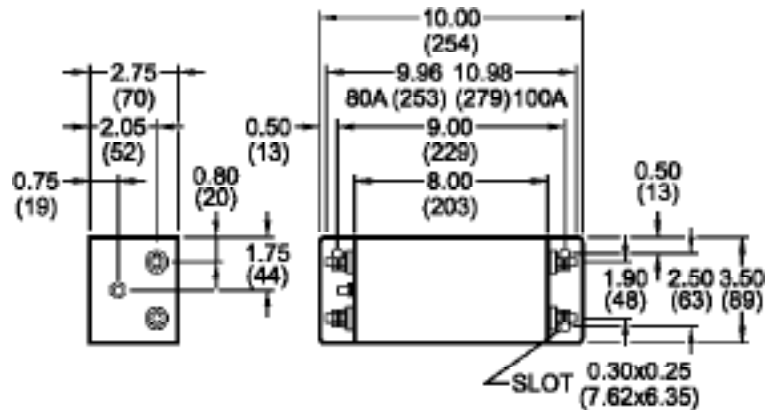
## RP240

Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

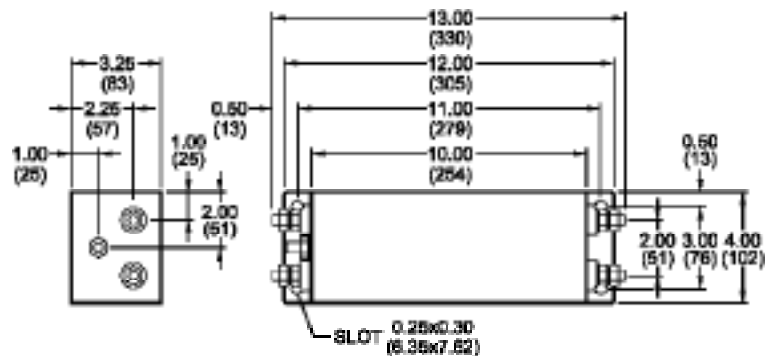
80 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	28	44	55	60	60
DM(dB)	50	52	65	65	65

### 80/100 Amp



100/150 Amp					
FREQ (MHz)	.15	.5	1.0	10	30
CM(dB)	28	44	55	60	60
DM(dB)	50	52	65	65	65

### 150 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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