

## RP415 Series

## 3-Phase WYE Single Stage Power Line Filter

### RP415 COMPACT 3PHASE WYE TO 160A CHASSIS MOUNT FILTER

ROHS COMPLIANT



#### SPECIFICATIONS

Operating Freq.	: 50/60Hz
Usable Freq.	: DC - 400Hz
Max. Operating Voltage	: 480V +10%
Ambient Temperature	: -25 to 50C
Climatic Category	: 25/100/21
Hipot Rating (L-G)	: 3500VDC
Terminals (-T)	: S: 8/16/25/36 (M5) 64/80 (M6) 120/160 (M10)
Safety Approvals	: UR, CSA, EN60939

#### LEAKAGE CURRENT

Y-cap, nF	mA, 480V/60Hz
0	0
10	0.1
100	1
1000	10
2000	20

#### PART NUMBER/ ORDERING

RP415	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	8	0	S	3.9 (1.8)
	16	10		3.9 (1.8)
	25	100		4.8 (2.2)
	36	1000		4.8 (2.2)
	64	2000		5.8 (2.6)
	80			7.0 (3.2)
	120			15.0 (6.8)
	160			16.0 (7.3)

**Note:** Use any combination of -Y with any -X (Amps) rating  
e.g. RP415-25-100-S (25 Amps with 100nF Ycap)

#### SCHEMATIC



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

## RP415

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

### Mechanical Dimensions

8 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	65	58	55	45	32
DM (dB)	52	80	78	65	60

16 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	50	46	45	45	40
DM (dB)	50	75	75	70	70

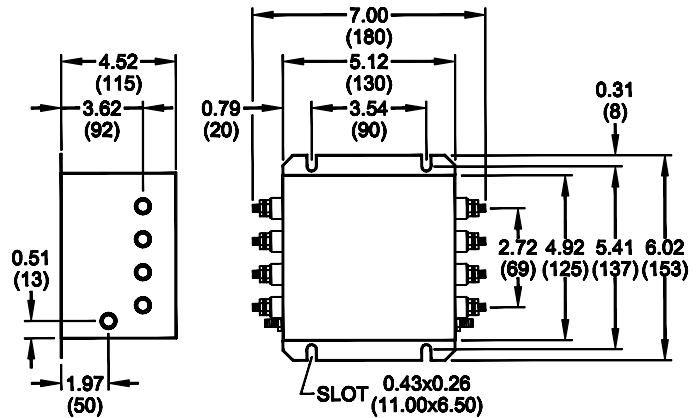
25 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	55	65	60	50	45
DM (dB)	60	80	75	60	60

36 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	50	60	55	40	40
DM (dB)	60	76	75	65	55

8/16 Amp



25/36 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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## RP415

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

### Mechanical Dimensions

64 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	50	65	60	50	40
DM (dB)	60	80	75	60	60

80 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	45	65	60	45	40
DM (dB)	60	80	80	65	60

64 Amp



80 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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## RP415

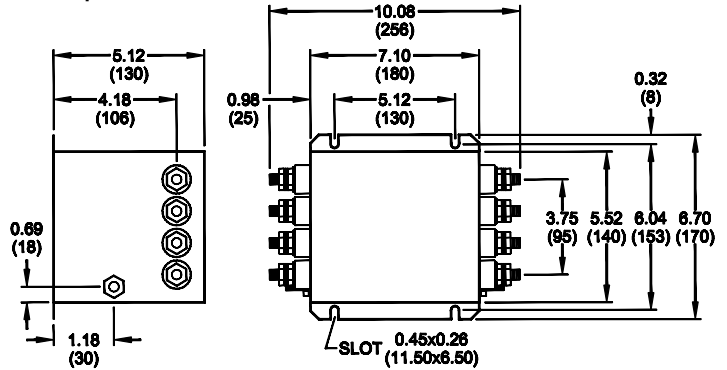
Typical Insertion Loss, dB (50/50ohm)

Mechanical Dimensions

120 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	65	70	70	60	50
DM (dB)	60	75	75	60	55

160 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	55	65	60	48	40
DM (dB)	50	75	70	45	45

120 Amp



160 Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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