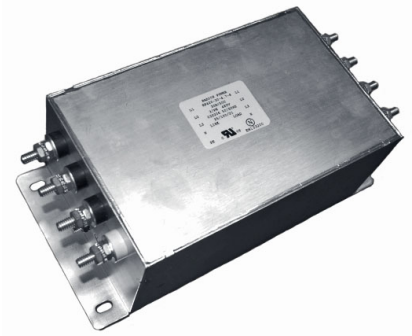
RP420 Series — 3-Phase WYE Dual Stage Power Line Filter

RP420
3PHASE WYE TO 300A

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: 15/30/50A (M5) 80/100A (M6) 150/200A (M10) 300A (M12)
Safety Approvals	:	UR, CSA, EN60939

LEAKAGE CURRENT

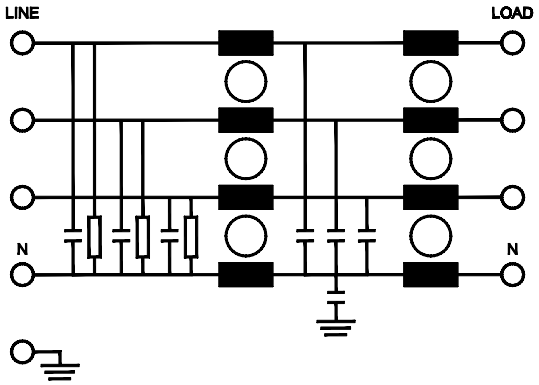
Y-cap, nF	mA, 480V/60Hz
0	0
10	1.8
100	18
1000	10
2000	20

PART NUMBER/ ORDERING

RP420	-X (Amps)	-Y (Ycap, nF)	-T	Weight LBS (KG) Typ.
	15	0	S	8.0 (3.6)
	30	10		8.0 (3.6)
	50	100		8.0 (3.6)
	80	1000		10.0 (4.5)
	100	2000		19.0 (8.6)
	150			19.0 (8.6)
	200			19.0 (8.6)
	300			35.0 (15.9)

Note: Use any combination of -Y with any -X (Amps) rating
e.g. RP420-30-10-S (30 Amps with 10nF Ycap)

SCHEMATIC



RP420
Typical Insertion Loss, dB (50/50ohm)

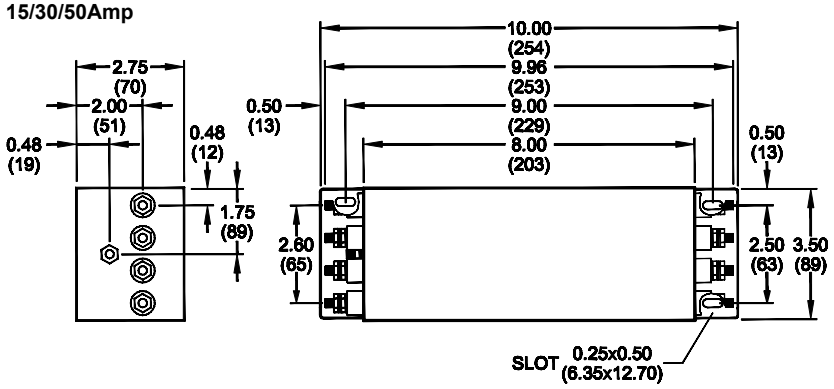
15/30 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	60	70	70	58	40
DM (dB)	60	70	70	70	70

50 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	55	70	70	58	40
DM (dB)	55	65	70	70	60

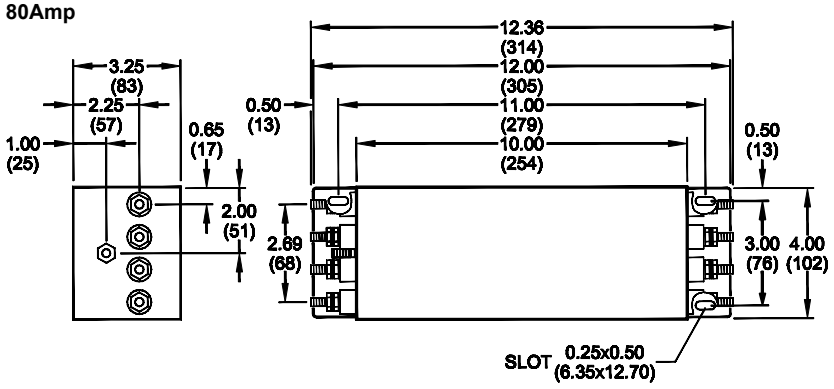
80 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	50	60	60	55	40
DM (dB)	55	60	60	50	38

Mechanical Dimensions

15/30/50Amp



80Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

RP420
Typical Insertion Loss, dB (50/50ohm)

100 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	65	70	70	58	30
DM (dB)	52	65	65	60	30

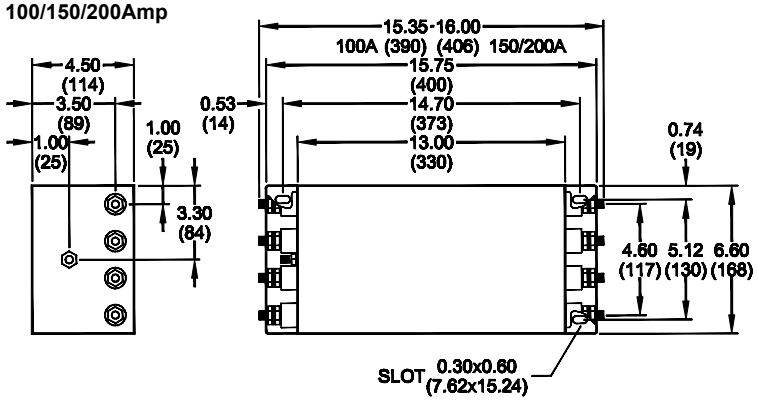
150 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	60	65	65	55	30
DM (dB)	50	62	65	60	30

200 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	55	60	60	50	35
DM (dB)	50	60	60	60	30

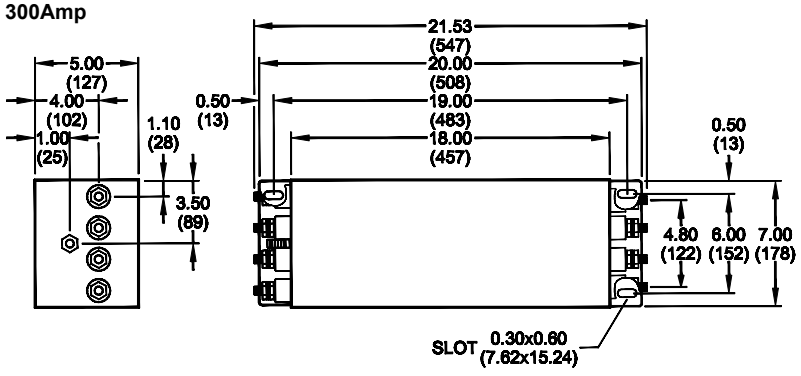
300 Amp					
FREQ (MHz)	.15	.5	1	10	30
CM (dB)	56	60	60	48	40
DM (dB)	50	55	55	50	30

Mechanical Dimensions

100/150/200Amp



300Amp



TYPICAL TOLERANCE: +/-0.02 (0.50)

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

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Sales:sales@radiuspower.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Astrodyne TDI:
RP420-100-100-S