

RP415 Series

3-Phase Wye 1-Stage Power Line Filter

**RP415
COMPACT 3PH WYE TO 160A
CHASSIS MOUNT FILTER**



Specifications

ROHS COMPLIANT

Operating Frequency: DC - 60Hz
Operating Voltage: 480V +10%
Ambient Temperature: 50°C
Inrush Rating: 20x (10ms), 1.5x (1min)
Climatic Category: 25/100/21
Hipot Rating: 3500VDC (P/N - E)
Terminals: -S: 8/16/25/36 (M5), 64/80 (M6)
 120/160 (M10)

Other terminations available. Please contact factory
Safety Approvals: UR/cCSAus/EN133200

Part Number/Ordering

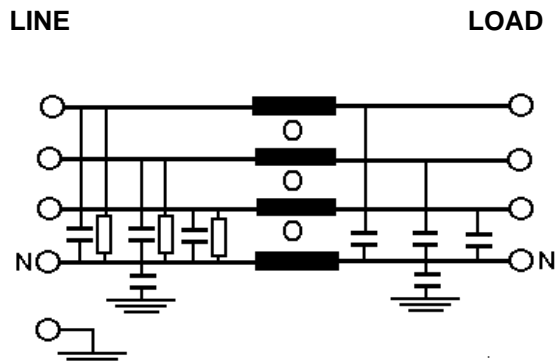
RP415	-X (Amps)	-Y (Ycap, nF)	-T
	8	0	S
	16	.22	
	25	.47	
	36	1	
	64	2.2	
	80	4.7	
	120	10	
	160	22	
		100	
		1000	
		2200	

Note: Use any -Y (Ycap) with any -X (Amps) rating
 e.g. RP415-8-22-S
 8 Amps with 22nF y-caps

Leakage Current

Ycap, nF	mA, 400V/50HZ
0	0
.22	.004
.47	.009
1	.018
2.2	.04
3.3	.06
4.7	.09
10	.18
22	.4
100	1.8
1000	18
2200	30

Schematic



Dimensions shown for reference only.
 Specifications subject to change.

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RP415 Typical Insertion Loss, 50/50ohm
Mechanicals
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

36AMP

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

64AMP

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

80AMP

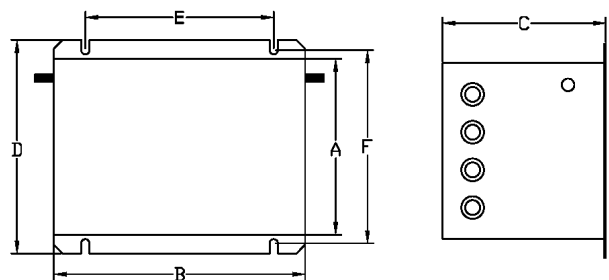
FREQ(MHz)		.15	.5	1	10	30
CM, dB		45	65	60	45	40
DM, dB		60	80	80	65	60

120AMP

FREQ(MHz)		.15	.5	1	10	30
CM, dB		50	70	68	60	55
DM, dB		80	70	60	45	45

160AMP

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



I	A	B	C	D	E	F	MTG
8/16	4.52	4.72	3.15	5.63	3.15	5.02	.43x.25
25/36	4.92	5.12	4.52	6.02	3.54	5.41	.43x.25
64	4.92	5.52	4.92	6.02	3.94	5.41	.43x.25
80	5.52	6.3	4.33	6.7	4.33	6.04	.45x.25
120	5.52	7.1	5.12	6.7	5.12	6.04	.45x.25
160	5.52	7.87	5.12	6.7	5.90	6.04	.45x.25

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