

# RP330

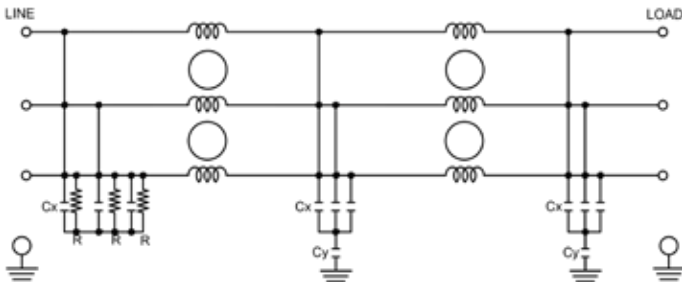
## 3-PHASE **DELTA** DUAL STAGE POWER LINE FILTER

### FEATURES

- » Rated currents include **10A, 16A, 25A, 50A, 80A, 100A, 150A, 200A, and 250A**
- » Dual Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors) option
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60948
- » Y-cap value can be adjusted to fit specification

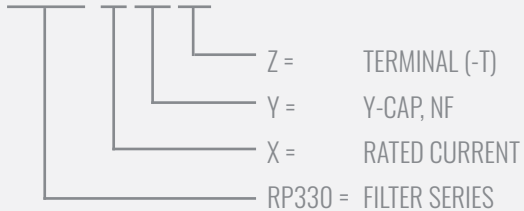


### ELECTRICAL SCHEMATIC



### HOW TO ORDER

RP330-X-Y-Z



**NOTE:** USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS  
E.G. **RP330-50-10-S** (330AMPS WITH 50 NF YCAP)  
For **X, Y** and **Z** options see product specification table.

### SPECIFICATIONS

OPERATING FREQUENCY	50/60Hz
USABLE FREQUENCY	DC - 400 Hz
<b>MAX. OPERATING VOLTAGE</b>	480 V +10%
AMBIENT TEMPERATURE	-25 TO 50°C
CLIMATIC CATEGORY	25/100/21
TERMINALS (-T)	WIRELEADS STUDS 10-50A(M5) 80-100A(M6), 150-250A(M10) CONNECTORS
<b>TYP. WEIGHT, LBS (KG)</b>	2.5-17.0 (1.1-7.7)

### TYPICAL LEAKAGE CURRENT

@ 480 VAC 60 Hz      0 - 20.0 mA Max.

### HIPOT RATINGS

**LINE TO GROUND**      3500 VDC

### TYPICAL APPLICATIONS

- ✓ Power Conversion Systems
- ✓ Processing Equipment
- ✓ Alternative Energy (EV Charging & Solar Systems)
- ✓ Industrial Automation
- ✓ Test & Measurement

# RP330

## 3-PHASE DELTA DUAL STAGE POWER LINE FILTER

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP330-10-0-S	10	0	-		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-10-0-W	10	0	-	✓			*	*	*
RP330-10-10-S	10	10	0.10		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-10-10-W	10	10	0.10	✓			*	*	*
RP330-10-100-S	10	100	1.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-10-100-W	10	100	1.00	✓			*	*	*
RP330-10-1000-S	10	1000	10.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-10-1000-W	10	1000	10.00	✓			*	*	*
RP330-10-2000-S	10	2000	20.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-10-2000-W	10	2000	20.00	✓			*	*	*
RP330-16-0-S	16	0	-		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-16-0-W	16	0	-	✓			*	*	*
RP330-16-10-S	16	10	0.10		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-16-10-W	16	10	0.10	✓			*	*	*
RP330-16-100-S	16	100	1.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-16-100-W	16	100	1.00	✓			*	*	*
RP330-16-1000-S	16	1000	10.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-16-1000-W	16	1000	10.00	✓			*	*	*
RP330-16-2000-S	16	2000	20.00		✓		3.00"(76)	7.05"(179)	2.50"(64)
RP330-16-2000-W	16	2000	20.00	✓			*	*	*
RP330-25-0-C	25	0	-			✓	*	*	*
RP330-25-0-S	25	0	-		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-25-0-W	25	0	-	✓			*	*	*
RP330-25-10-C	25	10	0.10			✓	*	*	*
RP330-25-10-S	25	10	0.10		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-25-10-W	25	10	0.10	✓			*	*	*
RP330-25-100-C	25	100	1.00			✓	*	*	*
RP330-25-100-S	25	100	1.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-25-100-W	25	100	1.00	✓			*	*	*
RP330-25-1000-C	25	1000	10.00			✓	*	*	*
RP330-25-1000-S	25	1000	10.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-25-1000-W	25	1000	10.00	✓			*	*	*
RP330-25-2000-C	25	2000	20.00			✓	*	*	*
RP330-25-2000-S	25	2000	20.00		✓		4.00"(102)	8.05"(205)	2.50"(64)

**ADDITIONAL MODEL NO. >>**

# RP330

## 3-PHASE DELTA DUAL STAGE POWER LINE FILTER

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP330-25-2000-W	25	2000	20.00	✓			*	*	*
RP330-50-0-C	50	0	-			✓	*	*	*
RP330-50-0-S	50	0	-		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-0-W	50	0	-	✓			*	*	*
RP330-50-10-C	50	10	0.10			✓	*	*	*
RP330-50-10-S	50	10	0.10		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-10-W	50	10	0.10	✓			*	*	*
RP330-50-100-C	50	100	1.00			✓	*	*	*
RP330-50-100-S	50	100	1.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-100-W	50	100	1.00	✓			*	*	*
RP330-50-200-S	50	200	2.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-1000-C	50	1000	10.00			✓	*	*	*
RP330-50-1000-S	50	1000	10.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-1000-W	50	1000	10.00	✓			*	*	*
RP330-50-2000-C	50	2000	20.00			✓	*	*	*
RP330-50-2000-S	50	2000	20.00		✓		4.00"(102)	8.05"(205)	2.50"(64)
RP330-50-2000-W	50	2000	20.00	✓			*	*	*
RP330-80-0-C	80	0	-			✓	*	*	*
RP330-80-0-S	80	0	-		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-80-0-W	80	0	-	✓			*	*	*
RP330-80-10-C	80	10	0.10			✓	*	*	*
RP330-80-10-S	80	10	0.10		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-80-10-W	80	10	0.10	✓			*	*	*
RP330-80-100-C	80	100	1.00			✓	*	*	*
RP330-80-100-S	80	100	1.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-80-100-W	80	100	1.00	✓			*	*	*
RP330-80-1000-C	80	1000	10.00			✓	*	*	*
RP330-80-1000-S	80	1000	10.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-80-1000-W	80	1000	10.00	✓			*	*	*
RP330-80-2000-C	80	2000	20.00			✓	*	*	*
RP330-80-2000-S	80	2000	20.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-80-2000-W	80	2000	20.00	✓			*	*	*
RP330-100-0-C	100	0	-			✓	*	*	*

**ADDITIONAL MODEL NO. >>**

# RP330

## 3-PHASE DELTA DUAL STAGE POWER LINE FILTER

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP330-100-0-S	100	0	-		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-100-0-W	100	0	-	✓			*	*	*
RP330-100-10-C	100	10	0.10			✓	*	*	*
RP330-100-10-S	100	10	0.10		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-100-10-W	100	10	0.10	✓			*	*	*
RP330-100-100-C	100	100	1.00			✓	*	*	*
RP330-100-100-S	100	100	1.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-100-100-W	100	100	1.00	✓			*	*	*
RP330-100-1000-C	100	1000	10.00			✓	*	*	*
RP330-100-1000-S	100	1000	10.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-100-1000-W	100	1000	10.00	✓			*	*	*
RP330-100-2000-C	100	2000	20.00			✓	*	*	*
RP330-100-2000-S	100	2000	20.00		✓		3.50"(89)	10.36"(263)	2.75"(70)
RP330-100-2000-W	100	2000	20.00	✓			*	*	*
RP330-150-0-C	150	0	-			✓	*	*	*
RP330-150-0-S	150	0	-		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-150-0-W	150	0	-	✓			*	*	*
RP330-150-10-C	150	10	0.10			✓	*	*	*
RP330-150-10-S	150	10	0.10		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-150-10-W	150	10	0.10	✓			*	*	*
RP330-150-100-C	150	100	1.00			✓	*	*	*
RP330-150-100-S	150	100	1.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-150-100-W	150	100	1.00	✓			*	*	*
RP330-150-1000-C	150	1000	10.00			✓	*	*	*
RP330-150-1000-S	150	1000	10.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-150-1000-W	150	1000	10.00	✓			*	*	*
RP330-150-2000-C	150	2000	20.00			✓	*	*	*
RP330-150-2000-S	150	2000	20.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-150-2000-W	150	2000	20.00	✓			*	*	*
RP330-200-0-C	200	0	-			✓	*	*	*
RP330-200-0-S	200	0	-		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-200-0-W	200	0	-	✓			*	*	*
RP330-200-10-C	200	10	0.10			✓	*	*	*
RP330-200-10-S	200	10	0.10		✓		6.60"(168)	12.94"(329)	4.50"(114)

**ADDITIONAL MODEL NO. >>**

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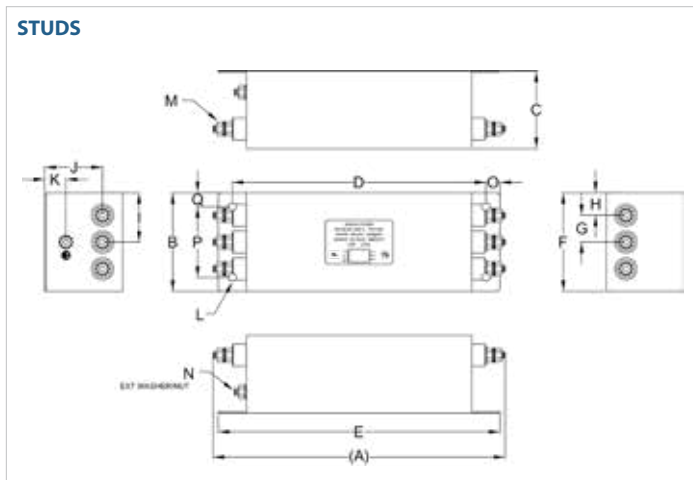
MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
				(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP330-200-10-W	200	10	0.10	✓			*	*	*
RP330-200-100-C	200	100	1.00			✓	*	*	*
RP330-200-100-S	200	100	1.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-200-100-W	200	100	1.00	✓			*	*	*
RP330-200-1000-C	200	1000	10.00			✓	*	*	*
RP330-200-1000-S	200	1000	10.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-200-1000-W	200	1000	10.00	✓			*	*	*
RP330-200-2000-C	200	2000	20.00			✓	*	*	*
RP330-200-2000-S	200	2000	20.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-200-2000-W	200	2000	20.00	✓			*	*	*
RP330-250-0-S	250	0	-		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-250-10-S	250	10	0.10		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-250-100-S	250	100	1.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-250-1000-S	250	1000	10.00		✓		6.60"(168)	12.94"(329)	4.50"(114)
RP330-250-2000-S	250	2000	20.00		✓		6.60"(168)	12.94"(329)	4.50"(114)

\*Contact factory for dimensions.

# RP330

## 3-PHASE DELTA DUAL STAGE POWER LINE FILTER

### RP330 MECHANICAL OUTLINES (MM)



SERIES	(A)	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
<b>STUDS (10/16A)</b>	7.05" (179)	3.00" (76)	2.50" (64)	6.00" (152)	6.56" (167)	3.00" (76)	1.00" (25)	0.50" (13)	2.00" (51)	1.90" (48)	0.50" (13)	Ø 0.29" Ø 7.6x6.4, 4x	STUD M5, 6x	STUD GND M5	0.28" (7)	2.00" (51)	0.50" (13)
<b>STUDS (25/50A)</b>	8.05" (205)	4.00" (102)	2.50" (64)	6.95" (176)	7.56" (192)	4.00" (102)	1.00" (25)	1.00" (25)	3.00" (76)	1.90" (48)	0.70" (18)	Ø 0.25" Ø 6.35x7.62 4x	STUD, M5, 6x	STUD, GND, M5	N/A	2.75" (70)	N/A
<b>STUDS (80/100A)</b>	10.36" (263)	3.50" (89)	2.75" (70)	9.00" (229)	10.00" (254)	3.50" (89)	0.96" (24)	0.80" (20)	1.75" (44)	2.05" (52)	0.75" (19)	Ø 0.25" Ø 6.4x7.6, 4x	STUD M6, 6x	STUD GND M6	0.50" (13)	2.50" (64)	0.50" (13)
<b>STUDS (150/200/250A)</b>	12.94" (329)	6.60" (168)	4.50" (114)	11.00" (279)	12.00" (305)	6.48" (165)	1.65" (42)	1.65" (42)	3.30" (84)	3.50" (89)	1.00" (25)	Ø 0.25" Ø 6.35x15.25, 4x	STUD, M10, 6x	STUD, GND, M10	N/A	5.12" (130)	N/A

TYPICAL TOLERANCE: +/-0.02" (0.50MM)

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## 3-PHASE DELTA DUAL STAGE POWER LINE FILTER

### TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
10	CM (dB)	55	68	70	50	40
	DM (dB)	52	65	70	60	30
16	CM (dB)	53	65	70	50	40
	DM (dB)	52	64	68	58	34
25	CM (dB)	56	66	72	54	36
	DM (dB)	58	70	70	54	42
50	CM (dB)	50	63	68	49	38
	DM (dB)	57	65	70	52	34
80	CM (dB)	52	65	70	50	37
	DM (dB)	55	60	65	58	40
100	CM (dB)	52	65	70	50	37
	DM (dB)	55	60	65	58	40
150	CM (dB)	60	70	70	52	38
	DM (dB)	54	65	70	60	40
200	CM (dB)	60	70	70	52	38
	DM (dB)	54	65	70	60	40
250	CM (dB)	48	57	65	50	32
	DM (dB)	50	65	70	48	30