

# RP357

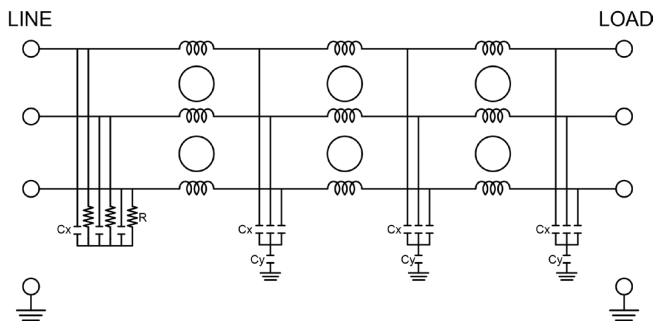
## 3-PHASE DELTA MULTI-STAGE EMI POWER LINE FILTER, 600V

### FEATURES

- » Rated currents include **150A, 180A, 250A, 320A, 400A, 600A, 800A, 1000A, 1600A and 2500A**
- » Multi-Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors), and **(B)**Bus Bars option
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60969
- » Y-cap value can be adjusted to fit specification



### ELECTRICAL SCHEMATIC



### HOW TO ORDER

RP357-X-Y-Z

- Z = TERMINAL (-T)
- Y = Y-CAP, NF
- X = RATED CURRENT
- RP357 = FILTER SERIES

**NOTE:** USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS

E.G. **RP357-320-10-B** (320AMPS WITH 10 NF YCAP)

For **X, Y** and **Z** options see product specification table.

### SPECIFICATIONS

OPERATING FREQUENCY	50/60Hz
MAX. OPERATING VOLTAGE	600 VAC +10%
AMBIENT TEMPERATURE	-25 TO 50°C
CLIMATIC CATEGORY	25/100/21
TERMINALS (-T)	WIRELEADS STUDS150-250A(M10) CONNECTORS BUS BARS 320-400A(6X25), 600A (8X25) 800-1000A(8X40), 1600A(10X60), 2500A(15X70)

TYP. WEIGHT, LBS (KG) 14.7-39.0 (6.7-17.7)

### TYPICAL LEAKAGE CURRENT

@ 480 VAC 60 Hz 0 - 20.0 mA Max.

### HIPOT RATINGS

LINE TO GROUND 3800 VDC

### TYPICAL APPLICATIONS

- ✓ Power Conrsion Systems
- ✓ Three-Phase Industrial Equipment
- ✓ Processing Equipment & Factory Machinery
- ✓ Alternative Energy (EV Charging & Solar Systems)
- ✓ Industrial Automation

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## 3-PHASE **DELTA** MULTI-STAGE EMI POWER LINE FILTER, 600V

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS				MAX. DIMENSIONS" (MM)		
				(W) IN/ OUTPUT	(S) IN/ OUTPUT	(C) IN/ OUTPUT	(B) IN/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP357-150-0-C	150	0	-			✓		*	*	*
RP357-150-0-S	150	0	-		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-150-0-W	150	0	-	✓				*	*	*
RP357-150-10-C	150	10	0.10			✓		*	*	*
RP357-150-10-S	150	10	0.10		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-150-10-W	150	10	0.10	✓				*	*	*
RP357-150-100-C	150	100	1.00			✓		*	*	*
RP357-150-100-S	150	100	1.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-150-100-W	150	100	1.00	✓				*	*	*
RP357-150-1000-C	150	1000	10.00			✓		*	*	*
RP357-150-1000-S	150	1000	10.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-150-1000-W	150	1000	10.00	✓				*	*	*
RP357-150-2000-C	150	2000	20.00			✓		*	*	*
RP357-150-2000-S	150	2000	20.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-150-2000-W	150	2000	20.00	✓				*	*	*
RP357-180-0-C	180	0	-			✓		*	*	*
RP357-180-0-S	180	0	-		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-180-0-W	180	0	-	✓				*	*	*
RP357-180-10-C	180	10	0.10			✓		*	*	*
RP357-180-10-S	180	10	0.10		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-180-10-W	180	10	0.10	✓				*	*	*
RP357-180-100-C	180	100	1.00			✓		*	*	*
RP357-180-100-S	180	100	1.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-180-100-W	180	100	1.00	✓				*	*	*
RP357-180-1000-C	180	1000	10.00			✓		*	*	*
RP357-180-1000-S	180	1000	10.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-180-1000-W	180	1000	10.00	✓				*	*	*
RP357-180-2000-C	180	2000	20.00			✓		*	*	*
RP357-180-2000-S	180	2000	20.00		✓			8.27"(210)	14.80*(376)	4.72"(120)
RP357-180-2000-W	180	2000	20.00	✓				*	*	*
RP357-250-0-S	250	0	-		✓			9.06"(230)	14.80*(376)	4.92"(125)
RP357-250-10-S	250	10	0.10		✓			9.06"(230)	14.80*(376)	4.92"(125)
RP357-250-100-S	250	100	1.00		✓			9.06"(230)	14.80*(376)	4.92"(125)
RP357-250-1000-S	250	1000	10.00		✓			9.06"(230)	14.80*(376)	4.92"(125)

**ADDITIONAL MODEL NO. >>**

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## 3-PHASE DELTA MULTI-STAGE EMI POWER LINE FILTER, 600V

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS				MAX. DIMENSIONS" (MM)		
				(W) IN/ OUTPUT	(S) IN/ OUTPUT	(C) IN/ OUTPUT	(B) IN/ OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP357-250-2000-S	250	2000	20.00		✓			9.06"(230)	14.80"(376)	4.92"(125)
RP357-320-0-B	320	0	-				✓	9.06"(230)	14.80"(376)	4.92"(125)
RP357-320-10-B	320	10	0.10				✓	9.06"(230)	14.80"(376)	4.92"(125)
RP357-320-100-B	320	100	1.00				✓	9.06"(230)	14.80"(376)	4.92"(125)
RP357-320-1000-B	320	1000	10.00				✓	9.06"(230)	14.80"(376)	4.92"(125)
RP357-320-2000-B	320	2000	20.00				✓	9.06"(230)	14.80"(376)	4.92"(125)
RP357-400-0-B	400	0	-				✓	10.24"(260)	15.20"(386)	4.53"(115)
RP357-400-10-B	400	10	0.10				✓	10.24"(260)	15.20"(386)	4.53"(115)
RP357-400-100-B	400	100	1.00				✓	10.24"(260)	15.20"(386)	4.53"(115)
RP357-400-1000-B	400	1000	10.00				✓	10.24"(260)	15.20"(386)	4.53"(115)
RP357-400-2000-B	400	2000	20.00				✓	10.24"(260)	15.20"(386)	4.53"(115)
RP357-600-0-B	600	0	-				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-600-10-B	600	10	0.10				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-600-100-B	600	100	1.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-600-1000-B	600	1000	10.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-600-2000-B	600	2000	20.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-800-0-B	800	0	-				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-800-10-B	800	10	0.10				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-800-100-B	800	100	1.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-800-1000-B	800	1000	10.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-800-2000-B	800	2000	20.00				✓	10.24"(260)	15.20"(386)	5.31"(135)
RP357-1000-0-B	1000	0	-				✓	11.02"(280)	17.95"(456)	6.69"(170)
RP357-1000-10-B	1000	10	0.10				✓	11.02"(280)	17.95"(456)	6.69"(170)
RP357-1000-100-B	1000	100	1.00				✓	11.02"(280)	17.95"(456)	6.69"(170)
RP357-1000-1000-B	1000	1000	10.00				✓	11.02"(280)	17.95"(456)	6.69"(170)
RP357-1000-2000-B	1000	2000	20.00				✓	11.02"(280)	17.95"(456)	6.69"(170)
RP357-1600-0-B	1600	0	-				✓	11.81"(300)	23.07"(586)	6.30"(160)
RP357-1600-10-B	1600	10	0.10				✓	11.81"(300)	23.07"(586)	6.30"(160)
RP357-1600-100-B	1600	100	1.00				✓	11.81"(300)	23.07"(586)	6.30"(160)
RP357-1600-1000-B	1600	1000	10.00				✓	11.81"(300)	23.07"(586)	6.30"(160)
RP357-1600-2000-B	1600	2000	20.00				✓	11.81"(300)	23.07"(586)	6.30"(160)
RP357-2500-0-B	2500	0	-				✓	14.57"(370)	31.34"(796)	7.87"(200)
RP357-2500-10-B	2500	10	0.10				✓	14.57"(370)	31.34"(796)	7.87"(200)
RP357-2500-100-B	2500	100	1.00				✓	14.57"(370)	31.34"(796)	7.87"(200)

**ADDITIONAL MODEL NO. >>**

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## 3-PHASE **DELTA** MULTI-STAGE EMI POWER LINE FILTER, 600V

MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	LEAKAGE CURRENT mA, @ 480V AC/60 Hz	TERMINAL OPTIONS				MAX. DIMENSIONS" (MM)		
				(W) IN/OUTPUT	(S) IN/OUTPUT	(C) IN/OUTPUT	(B) IN/OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP357-2500-1000-B	2500	1000	10.00				✓	14.57"(370)	31.34"(796)	7.87"(200)
RP357-2500-2000-B	2500	2000	20.00				✓	14.57"(370)	31.34"(796)	7.87"(200)

\*Contact factory for dimensions.

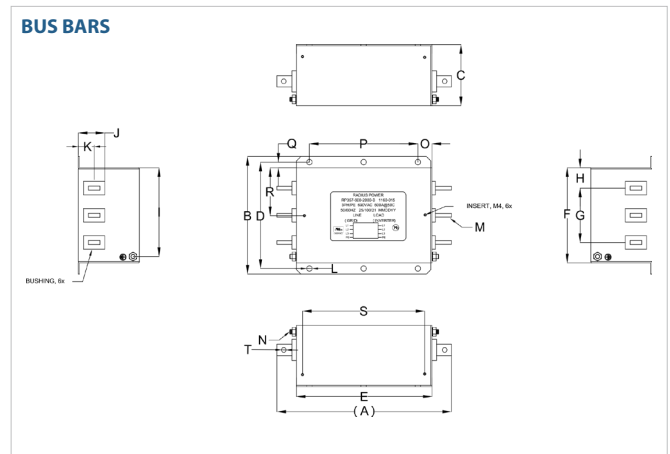
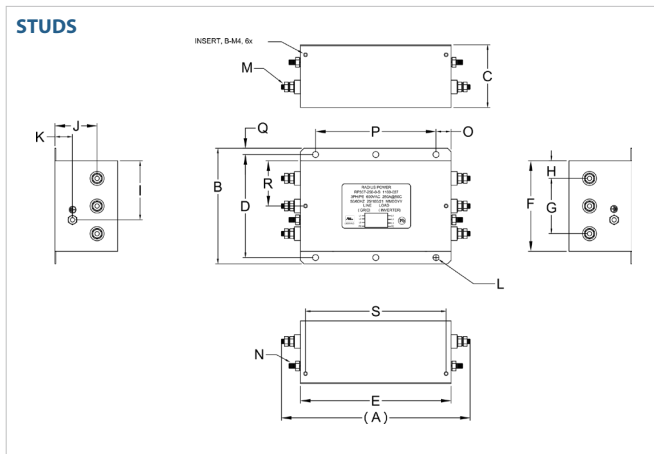
### TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
<b>150</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>180</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>250</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>320</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>400</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>600</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>800</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>1000</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>1600</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20
<b>2500</b>	CM (dB)	65	80	80	40	20
	DM (dB)	65	65	60	35	20

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## 3-PHASE DELTA MULTI-STAGE EMI POWER LINE FILTER, 600V

### RP357 MECHANICAL OUTLINES (MM)



SERIES	(A)	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	T	S
<b>STUDS (150 180A)</b>	14.80" (376)	8.27" (210)	4.72" (120)	9.45" (240)	11.81" (300)	6.30" (160)	3.94" (100)	1.18" (30)	4.13" (105)	3.11" (79)	1.18" (30)	Ø12.0, 6X	STUD, M10, 6x	STUD, GND, M10, 2x	1.18" (30)	7.28" (185)	0.49" (13)	3.15" (80)	11.02" (280)	20.00" (20)
<b>STUDS (250 320A)</b>	14.80" (376)	9.06" (230)	4.92" (125)	8.07" (205)	11.81" (300)	7.09" (180)	4.33" (110)	1.38" (35)	4.63" (118)	3.31" (84)	1.38" (35)	Ø12.0, 6X	STUD, M10, 6x	STUD, GND, M10, 2x	1.18" (30)	5.51" (140)	0.49" (13)	3.54" (90)	11.02" (280)	20.00" (20)
<b>BUS BARS (400A)</b>	15.20" (386)	10.24" (260)	4.53" (115)	9.25" (235)	11.81" (300)	8.27" (210)	4.72" (120)	1.78" (45)	7.48" (190)	2.43" (62)	1.50" (38)	Ø12.0, 6X	6x25MM, 3x, BUS BARS	STUD, GND, M10, 2x	1.18" (30)	9.45" (240)	0.49" (13)	0.59" (15)	11.02" (280)	Ø10.5
<b>BUS BARS (600/ 800A)</b>	15.20" (386)	10.24" (260)	5.31" (135)	9.25" (235)	11.81" (300)	8.27" (210)	4.72" (120)	1.77" (45)	7.48" (190)	2.43" (62)	1.50" (38)	Ø12.0, 6X	8x25mm, 3x, BUS BARS	STUD, GND, M12, 2x	1.23" (31)	9.45" (240)	0.49" (13)	4.13" (105)	11.02" (280)	Ø10.5
<b>BUS BARS (1000A)</b>	17.95" (456)	11.02" (280)	6.69" (170)	10.04" (255)	13.78" (350)	9.06" (230)	4.72" (120)	2.17" (55)	8.07" (205)	5.71" (145)	1.97" (50)	Ø12.0, 6X	8x40mm, 3x, BUS BARS	STUD, GND, M10, 2x	1.18" (30)	11.42" (290)	0.49" (13)	5.02" (128)	12.99" (330)	Ø14.0, 6X
<b>BUS BARS (1600A)</b>	23.07" (586)	11.81" (300)	6.30" (160)	10.83" (275)	15.75" (400)	9.84" (250)	4.72" (120)	2.56" (65)	8.86" (225)	4.84" (123)	1.46" (37)	Ø12.0, 6X	N/A	STUD, GND, M10, 2x	1.24" (32)	13.39" (340)	0.49" (13)	0.67" (17)	14.96" (380)	Ø14.0
<b>BUS BARS (2500A)</b>	31.34" (796)	14.57" (370)	7.87" (200)	12.99" (330)	23.62" (600)	11.81" (300)	7.87" (200)	1.97" (50)	10.83" (275)	5.20" (132)	3.35" (85)	Ø14.0, 6X	15x70MM, 3x, BUS BARS	STUD, GND, M10, 2x	1.97" (50)	19.69" (500)	0.79" (20)	5.91" (150)	22.83" (580)	Ø14.0, 4X

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