

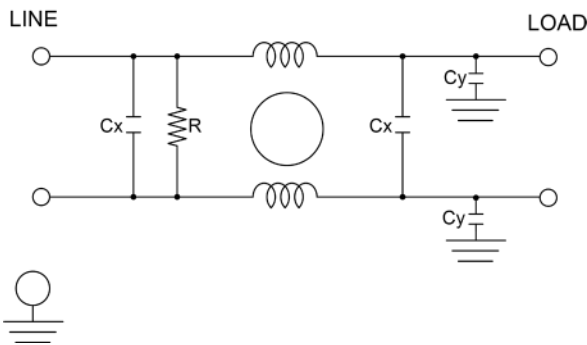
# RP605

## HIGH CURRENT DC POWER LINE FILTERS

### FEATURES

- » Rated currents include **100A, 150A, 180A, and 200A**
- » Dual Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors) option
- » High Current Design
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60939
- » Y-cap value can be adjusted to fit specification

### ELECTRICAL SCHEMATIC



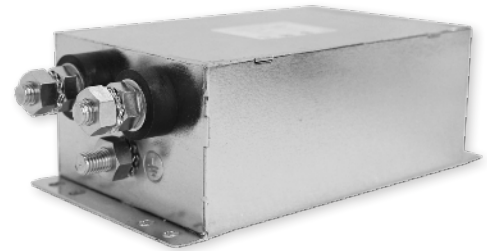
### HOW TO ORDER

RP605-X-Y-Z



**NOTE:** USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS  
E.G. **RP605-100-10-S**(100AMPS WITH 10 NF YCAP)

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



### SPECIFICATIONS

<b>MAX. OPERATING VOLTAGE</b>	250V +10%
<b>AMBIENT TEMPERATURE</b>	-25 TO 40°C
<b>CLIMATIC CATEGORY</b>	25/100/21
<b>TERMINALS (-T)</b>	WIRE LEADS
	STUDS 100A (M6),
	150-200A (M10)
	CONNECTORS
<b>TYP. WEIGHT, LBS (KG)</b>	6.0 (2.7)

### HIPOT RATINGS

<b>LINE TO GROUND</b>	2700 VDC
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### TYPICAL APPLICATIONS

- ✓ High power rectifiers
- ✓ Uninterrupted power supplies
- ✓ Inverters
- ✓ VFD
- ✓ PWM

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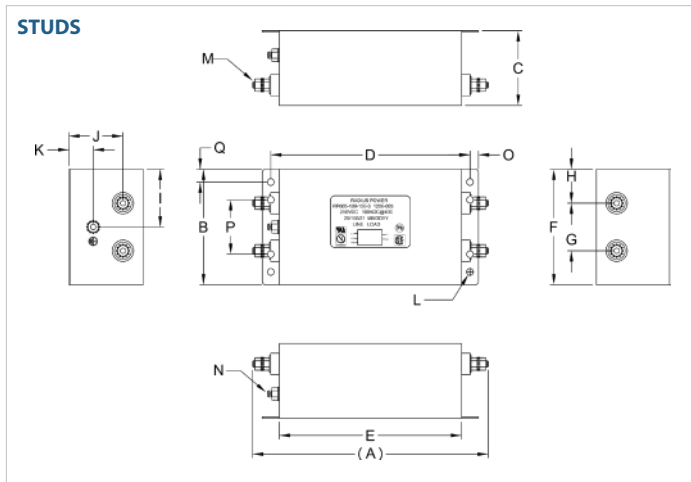
MODEL NO.	RATED CURRENT, A @ 40° C	Y-CAP, nF	TERMINAL OPTIONS			MAX. DIMENSIONS" (MM)		
			(W) INPUT/OUTPUT	(S) INPUT/OUTPUT	(C) INPUT/OUTPUT	WIDTH	(LENGTH)	HEIGHT
RP605-100-10-C	100	10			✓	*	*	*
RP605-100-10-S	100	10		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-100-10-W	100	10	✓			*	*	*
RP605-100-100-C	100	100			✓	*	*	*
RP605-100-100-S	100	100		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-100-100-W	100	100	✓			*	*	*
RP605-150-10-C	150	10			✓	*	*	*
RP605-150-10-S	150	10		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-150-10-W	150	10	✓			*	*	*
RP605-150-100-C	150	100			✓	*	*	*
RP605-150-100-S	150	100		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-150-100-W	150	100	✓			*	*	*
RP605-180-10-C	180	10			✓	*	*	*
RP605-180-10-S	180	10		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-180-10-W	180	10	✓			*	*	*
RP605-180-100-C	180	100			✓	*	*	*
RP605-180-100-S	180	100		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-180-100-W	180	100	✓			*	*	*
RP605-200-10-C	200	10			✓	*	*	*
RP605-200-10-S	200	10		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-200-10-W	200	10	✓			*	*	*
RP605-200-100-C	200	100			✓	*	*	*
RP605-200-100-S	200	100		✓		4.25"(108)	8.72"(221)	2.75"(70)
RP605-200-100-W	200	100	✓			*	*	*

\*Contact factory for dimensions.

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### RP605 MECHANICAL OUTLINES (MM)



SERIES	(A)	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
STUDS	8.72" (221)	4.25" (108)	2.75" (70)	7.37" (187)	6.75" (171)	4.25" (108)	1.75" (45)	1.25" (32)	2.13" (54)	2.00" (51)	0.90" (23)	Ø0.25",8x (Ø6.4, 8x)	STUD M6 4x	STUD, GND, M6	0.31" (8)	2.00" (51)	0.47" (12)

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

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

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
		16	28	36	45	50
100	CM (dB)	16	28	36	45	50
	DM (dB)	32	60	60	50	50
150	CM (dB)	16	28	36	45	50
	DM (dB)	32	60	60	50	50
180	CM (dB)	16	28	36	45	50
	DM (dB)	32	60	60	50	50
200	CM (dB)	16	28	36	45	50
	DM (dB)	32	60	60	50	50