

RPM7020

MIL/COTS COMPACT **AC**, SINGLE PHASE EMI POWER LINE FILTER

FEATURES

- » Rated currents include **5A, 10A, 15A, and 20A**
- » Dual Stage Line Filter
- » **QD** (tabs) and **S** (studs) option
- » Agency Approvals CSA, cURus and EN 60939 compliant
- » Y-cap value can be adjusted to fit specification



ELECTRICAL SCHEMATIC

SPECIFICATIONS

OPERATING FREQUENCY	50/60/400 HZ
USABLE FREQUENCY	
MAX. OPERATING VOLTAGE*	300 VAC +10%
AMBIENT TEMPERATURE	-40 TO 70°C
CLIMATIC CATEGORY	40/100/21
TERMINALS (-T)	QD: 0.25 TABS / STUDS: 5-20A (M5)
TYP. WEIGHT, LBS (KG)	0.5 (0.2)

HIPOT RATINGS

LINE TO GROUND	1800 VDC
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TYPICAL APPLICATIONS

✓ ?

HOW TO ORDER

RP100-X-Y-Z

Z = TERMINAL (-T)
Y = Y-CAP, NF
X = RATED CURRENT
RP100 = FILTER SERIES

NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **RP100-6-2.2-QD** (6AMPS WITH 2.2 NF YCAP)

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MODEL NO.	RATED CURRENT (A) @ 40° C	Y-CAP, nF	mA, @ 250 VAC 60 HZ	TERMINAL OPTIONS			MAX. DIMENSIONS		
				(QD) INPUT/ OUTPUT	(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	A (W)	B (L)	C (H)
RPM7020-10-QD	10	22	3.50	✓			2.02"	4"	1.59"
RPM7020-10-QD 10 NF	10	10	3.50	✓			2.02"	4"	1.59"
RPM7020-10-S	10	22	3.50			✓	2.02"	4"	1.59"
RPM7020-10-S 10NF	10	10	3.50			✓	2.02"	4"	1.59"
RPM7020-15-QD	10	22	3.50	✓			2.02"	4"	1.59"
RPM7020-15-QD 10 NF	10	10	3.50	✓			2.02"	4"	1.59"
RPM7020-15-S	15	22	3.50			✓	2.02"	4"	1.59"
RPM7020-15-S 10NF	15	10	3.50			✓	2.02"	4"	1.59"
RPM7020-20-QD	20	22	3.50	✓			2.02"	4"	1.59"
RPM7020-20-QD 10NF	20	10	3.50	✓			2.02"	4"	1.59"
RPM7020-20-S	20	22	3.50			✓	2.02"	4"	1.59"
RPM7020-20-S 10NF	20	10	3.50			✓	2.02"	4"	1.59"
RPM7020-5-QD	5	22	3.50	✓			2.02"	4"	1.59"
RPM7020-5-QD 10NF	5	10	3.50	✓			2.02"	4"	1.59"
RPM7020-5-S	5	22	3.50			✓	2.02"	4"	1.59"
RPM7020-5-S 10NF	5	10	3.50			✓	2.02"	4"	1.59"

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
10	CM (dB)	30	50	50	45	30
	DM (dB)	40	60	60	40	30
15	CM (dB)	30	50	50	45	30
	DM (dB)	40	60	60	40	30
20	CM (dB)	30	50	50	45	30
	DM (dB)	40	60	60	40	30
5	CM (dB)	30	50	50	45	30
	DM (dB)	40	60	60	40	30



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MIL/COTS COMPACT **AC**, SINGLE PHASE EMI POWER LINE FILTER

RPM7020 MECHANICAL OUTLINES

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



RPM6000

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