

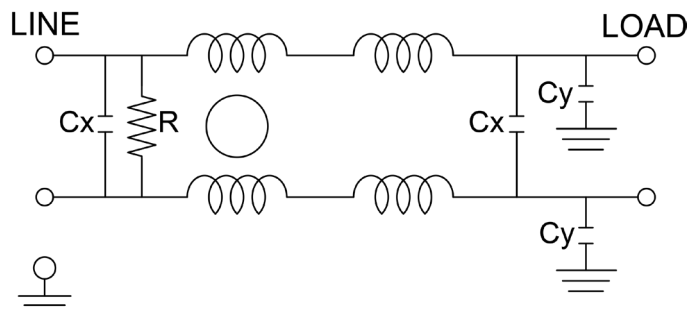
TGM7000

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

FEATURES

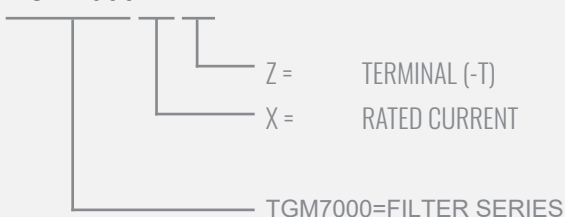
- » Rated currents include **5A, 10A, 20A, 30A, and 50A**
- » Dual Stage Line Filter
- » Available with **S** (studs)
- » Agency Approved to RoHS
- » Y-cap value can be adjusted to fit specification

ELECTRICAL SCHEMATIC



HOW TO ORDER

TGM7000 - Y - Z



SPECIFICATIONS

OPERATING FREQUENCY	47-400 Hz DC
MAX. OPERATING VOLTAGE*	300 VAC +10%
AMBIENT TEMPERATURE	-40 TO 70°C
CLIMATIC CATEGORY	25/100/21
TERMINALS (-T)	STUDS: 5-30A (M5) 50A (M6)

TYP. WEIGHT, LBS (KG)	0.4 - 3.7(0.2 - 1.8)
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TYPICAL LEAKAGE CURRENT

@ 250 VAC 60 Hz	0 - 3.50 mA Max.
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HIPOT RATINGS

LINE TO GROUND	1800 VDC
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TYPICAL APPLICATIONS

- ✓ Mil-461/ DO-160

NOTE:

- ✓ Call for other termination types (e.g. Circular Mil-Connectors, etc.) Leakage current is determined by the line to ground capacitors in the filter. The capacitors can be easily varied to match the system leakage requirements.

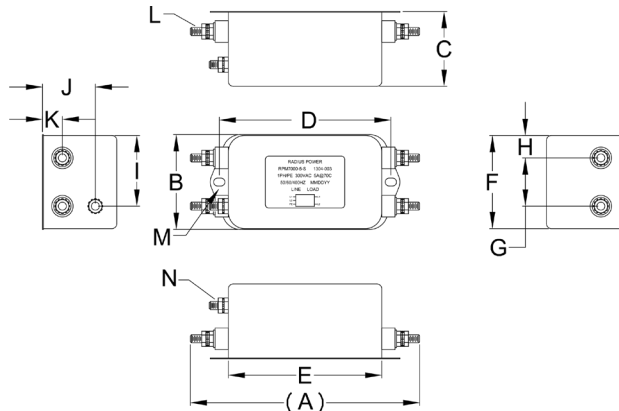
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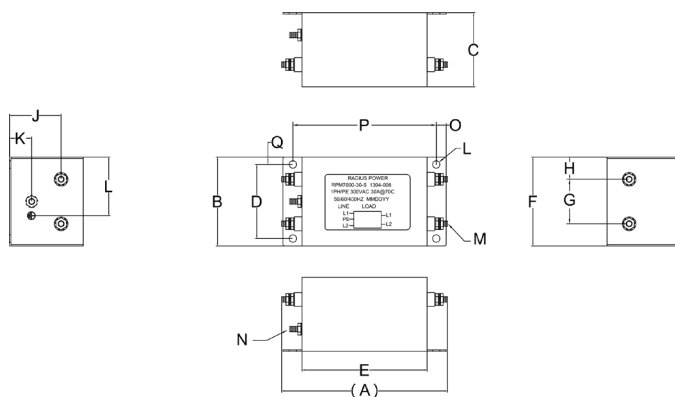
MODEL NO.	RATED CURRENT, A @ 40° C	LEAKAGE CURRENT, mA @ 250V AC, 60 Hz	TERMINAL OPTIONS			MOUNTING	MAX. DIMENSIONS" (MM)		
			(W) INPUT/ OUTPUT	(S) INPUT/ OUTPUT	(C) INPUT/ OUTPUT		FLANGE	WIDTH	(LENGTH)
TGM 7000-5-S	5	3.50		✓		✓	2.28"(58)	5.47"(139)	1.81"(46)
TGM 7000-10-S	10	3.50		✓		✓	2.28"(58)	5.47"(139)	1.81"(46)
TGM 7000-20-S	20	3.50		✓		✓	3.00"(76)	5.63"(143)	2.50"(64)
TGM 7000-30-S	30	3.50		✓		✓	3.00"(76)	5.63"(143)	2.50"(64)
TGM 7000-50-S 10N F	50	3.50		✓		✓	4.25"(108)	8.72"(221)	2.76"(70)

TGM7000 MECHANICAL OUTLINES (MM)

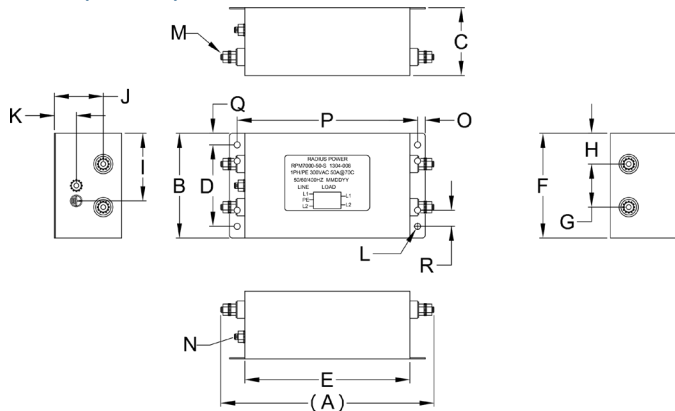
STUDS (5/10 AMPS)



STUDS (20/30 AMPS)



STUDS (50 AMPS)



TGM7000

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

SERIES	(A)	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
STUDS (5/10A)	5.47" (139)	2.28" (58)	1.81" (46)	4.09" (104)	3.66" (93)	2.24" (57)	1.14" (29)	0.53" (14)	1.67" (43)	1.26" (32)	0.47" (12)	Ø0.26"x0.18", 2x (Ø6.8x4.8, 2x)	STUD, M5, 4x	STUD, GND, M5	N/A	N/A	N/A	0.00"
STUDS (20/30A)	5.63" (143)	3.00" (76)	2.50" (64)	2.50" (64)	4.25" (108)	3.00" (76)	1.50" (38)	0.75" (19)	1.98" (50)	1.75" (44)	0.75" (19)	Ø0.25", 4x (Ø6.35, 4x)	STUD, M5, 4x	STUD, GND, M5	0.34" (9)	4.87" (124)	0.25" (6)	0.00"
STUDS (50A)	8.72" (221)	4.25" (108)	2.76" (70)	3.31" (84)	6.75" (172)	4.25" (108)	1.75" (44)	1.25" (32)	2.75" (70)	2.00" (51)	0.91" (23)	0.25", 8x (Ø6.4, 8x)	STUD, M6, 4x	STUD, GND, M6	0.31" (8)	7.38" (187)	0.47" (12)	1.13" (29)

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

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

Amps	Freq (MHz)	0.15	0.5	1.0	10	30
5	CM (dB)	32	50	50	45	30
	DM (dB)	42	60	60	40	30
10	CM (dB)	32	50	50	45	30
	DM (dB)	42	60	60	40	30
20	CM (dB)	32	50	50	45	30
	DM (dB)	42	60	60	40	30
30	CM (dB)	32	50	50	45	30
	DM (dB)	42	60	60	40	30
50	CM (dB)	32	50	50	45	30
	DM (dB)	42	60	60	40	30