

"INNOVATORS IN MAGNETICS TECHNOLOGY"

- ① Ideal for LAN & Telecom Applications
- ② Filters Common Mode Noise
- ③ Provides EMI Supression
- ④ Frequency Ranges 100KHz to 500 MHz
- ⑤ 500Vrms Isolation Minimum
- ⑥ Thru-Hole & SMD Packages

ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE 0°C TO 70°C

THRU-HOLE CHOKES

PART NUMBER	TURNS RATIO (±5%)	# of CORES x # of LINES	PRIMARY INDUCTANCE (OCL µH min)	LEAKAGE INDUCTANCE (µH max.)	PRI-SEC Cw/w (pf max.)	PRIMARY DCR (OHMS max.)	PACKAGE & SCHEMATIC
PM-SF01	1:1:1:1	1x4	4.0	.20	6.0	.17	1-A
PM-SF02	1:1:1:1	1x4	8.0	.20	10.0	.25	1-A
PM-SF03	1:1:1:1	1x4	24.0	.20	15.0	.30	1-A
PM-SF04	1:1:1:1:1	1x6	4.0	.20	6.0	.18	2-A
PM-SF05	1:1:1:1:1	1x6	24.0	.20	15.0	.35	2-A
PM-SF06	1:1:1:1	2x4	4.0	.20	6.0	.17	3-C
PM-SF07	1:1:1:1	2x4	8.0	.20	10.0	.25	3-C
PM-SF08	1:1:1:1	2x4	24.0	.20	15.0	.30	3-C
PM-SF09	1:1:1:1	1x4	36.0	.30	25.0	.35	1-A
PM-FS10	1:1	1x2	6.3	4.0	180	.65	7-A

SURFACE MOUNT CHOKES

PART NUMBER	TURNS RATIO(S) (±5%)	# of CORES x # of LINES	PRIMARY INDUCTANCE (OCL µH min)	LEAKAGE INDUCTANCE (µH max.)	PRI-SEC Cw/w (pf max.)	PRIMARY DCR (OHMS max.)	SCHEMATIC & PACKAGE
PM-SF30	1:1 x 2	2x2	37.0	.20	15.0	.30	5-A
PM-SF31	1:1 x 3	3x2	21.0	.20	15.0	.35	5-B
PM-SF32	1:1 x 4	4x2	36.0	.20	15.0	.35	5-C
PM-SF33	1:1:1:1	1x4	36.0	.30	25.0	.25	5-D
PM-SF34	1:1:1:1	1x4	24.0	.20	15.0	.30	4-A
PM-SF35	1:1 x 2	2x2	100	.30	35.0	.60	4-B

SELF LEAD SURFACE MOUNT CHOKES

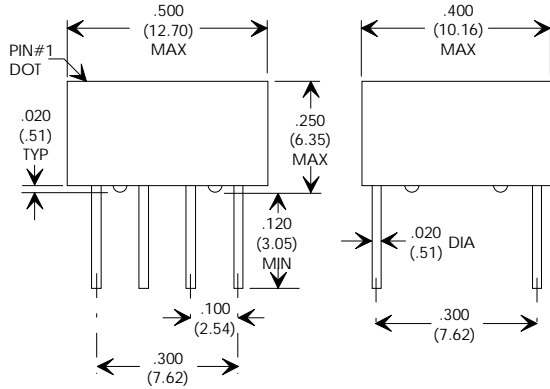
PART NUMBER	TURNS RATIO(S) (±5%)	# of CORES x # of LINES	PRIMARY INDUCTANCE (OCL µH min)	LEAKAGE INDUCTANCE (µH max.)	PRI-SEC Cw/w (pf max.)	PRIMARY DCR (OHMS max.)	SCHEMATIC & PACKAGE
PM-SF50	1:1	1	877	N/A	N/A	.200	6-A
PM-SF51	1:1	1	663	N/A	N/A	.110	6-A

Specifications subject to change without notice.

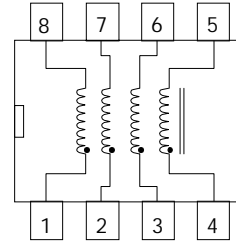
pmsf 09/00

PACKAGE "1"

SCHEMATIC

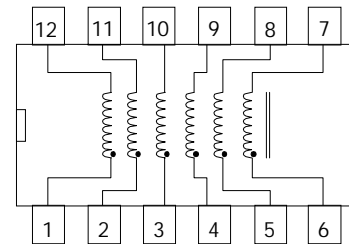
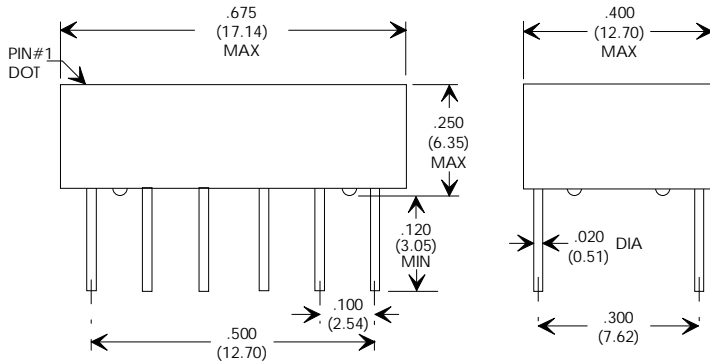


SCHEMATIC "A"



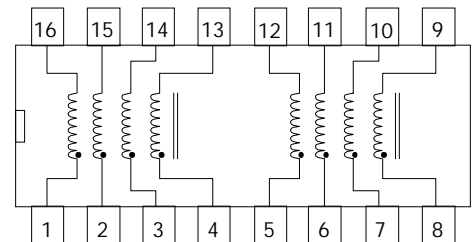
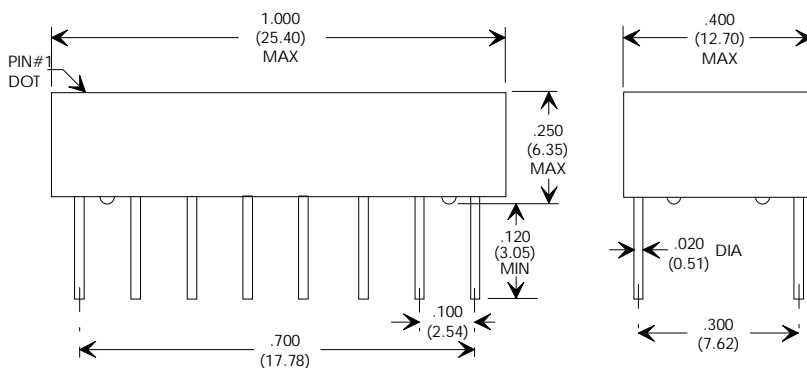
PACKAGE "2"

SCHEMATIC "A"



PACKAGE "3"

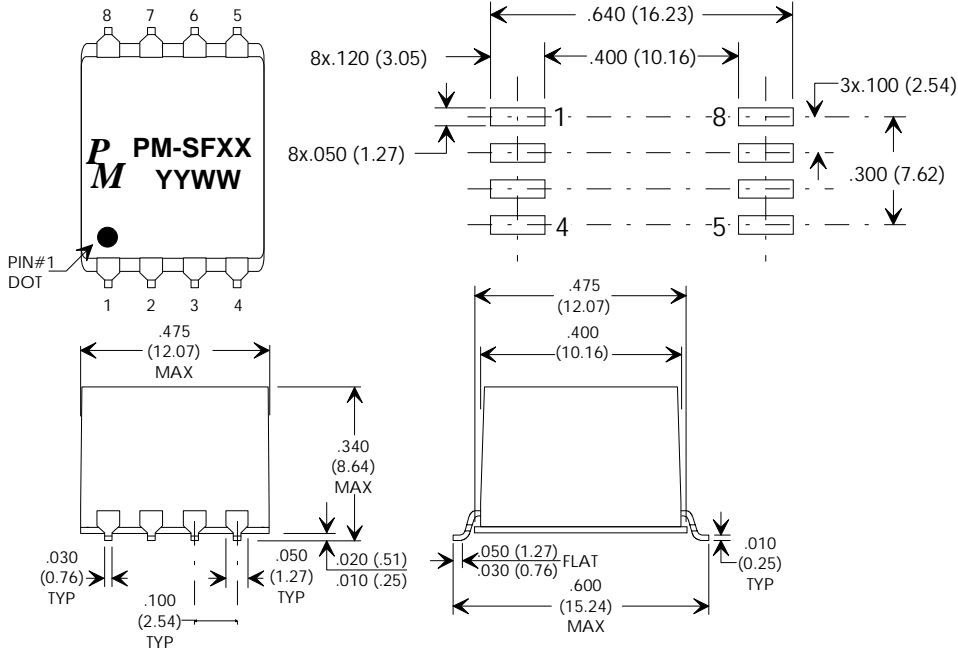
SCHEMATIC "A"



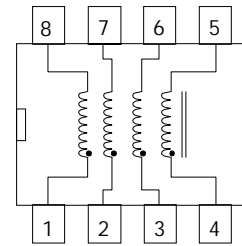
"INNOVATORS IN MAGNETICS TECHNOLOGY"

PACKAGE "4"

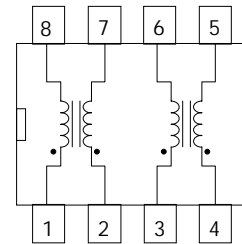
RECOMMENDED PCB LAYOUT



SCHEMATIC "A"

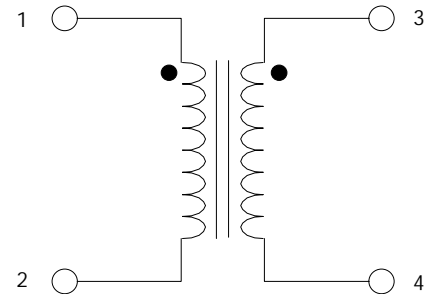
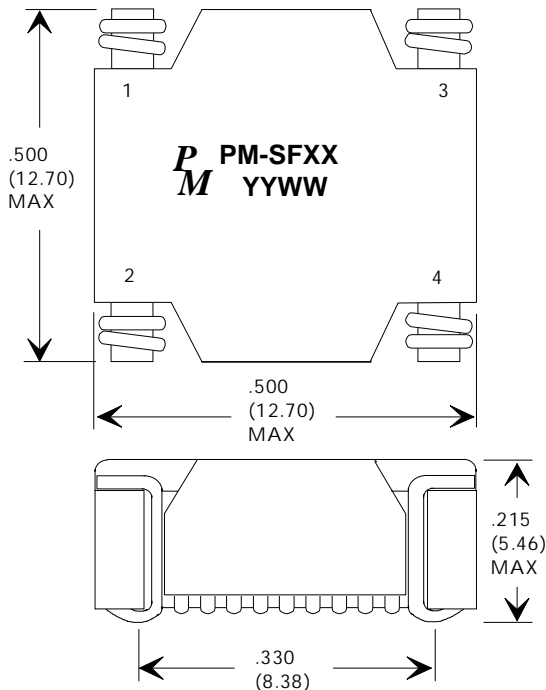


SCHEMATIC "B"



PACKAGE "6"

SCHEMATIC "A"

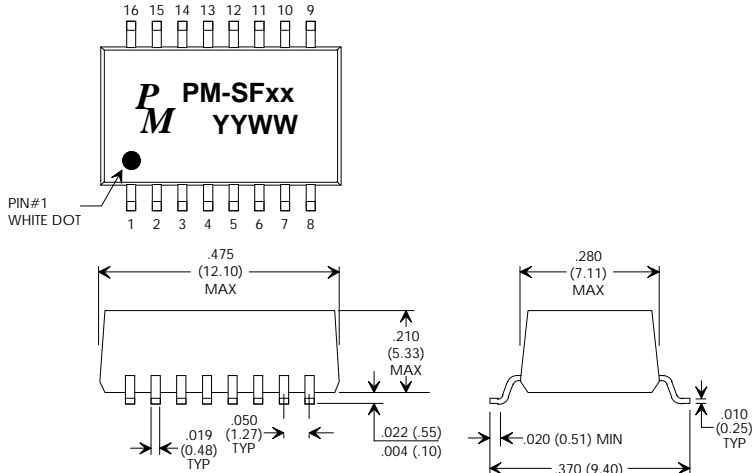


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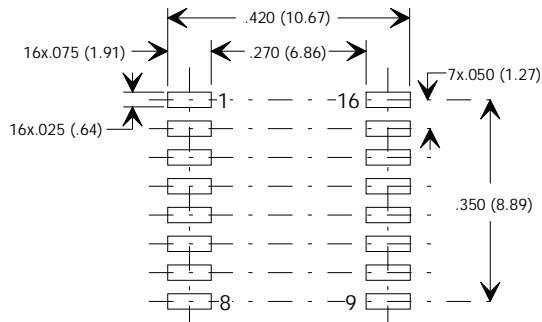
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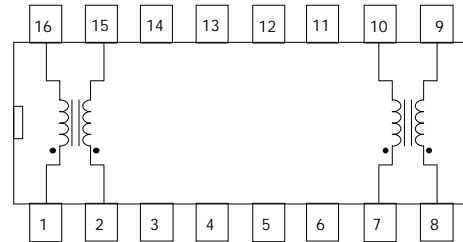
SCHEMATIC



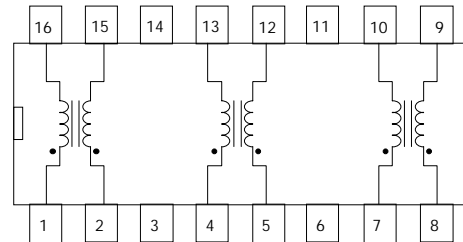
RECOMMENDED PCB LAYOUT



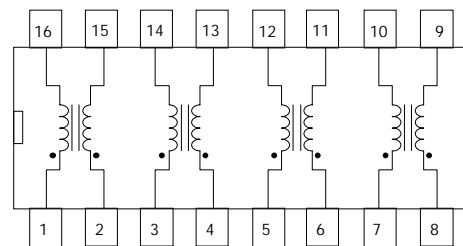
SCHEMATIC "A"



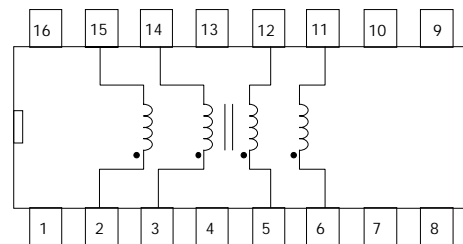
SCHEMATIC "B"



SCHEMATIC "C"



SCHEMATIC "D"





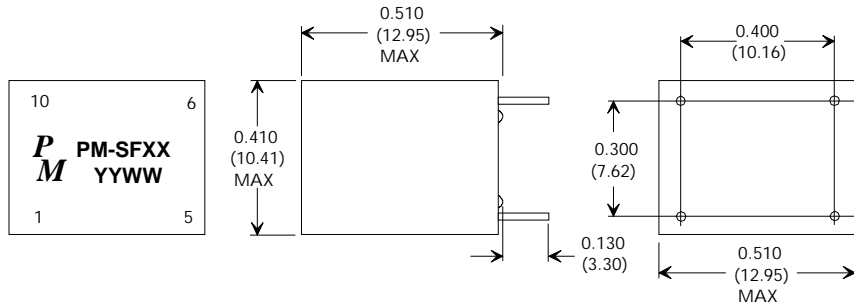
**Premier
Magnetics Inc.**

"INNOVATORS IN MAGNETICS TECHNOLOGY"

SIGNAL LINE FILTERS COMMON MODE CHOKES

PACKAGE "7"

SCHEMATIC



SCHEMATIC "A"

