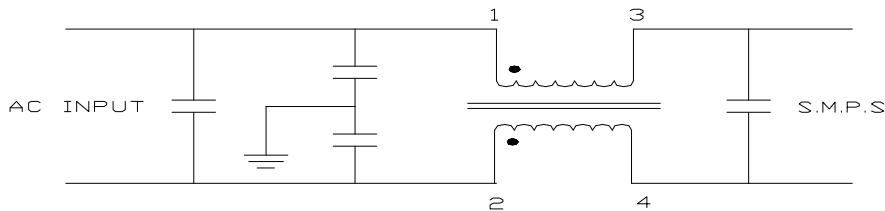


## COMMON MODE INDUCTORS

1. MIL-T-27D TF5SO4ZZ.
2. 1% WINDING BALANCE.
3. 130? Maximum Operating Temperature.
4. Current rating at 40? temperature rise.
5. Dielectric Strength 1500V line-to-line, and line-to-case.
6. Inductance range:±25%, 10KHz, 1V
7. Plug-in and Surface-mount construction.



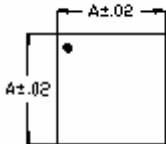
Typical Circuit:



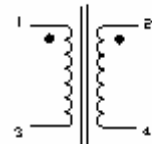
Mechanical Dimensions:

A. Plug-in construction

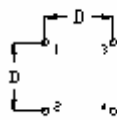
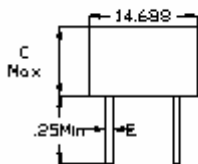
B. Surface-mount construction



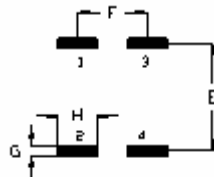
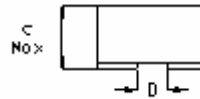
Dimensions: Inches  
Unless otherwise specified,  
all tolerances are .010  
White dot indicates pin #1



Schematic



Suggested pcb layout



Suggested pcb layout

SIZE	A	B	C		D		E		F	G	H
			Surface mount	Plug-in	Surface mount	Plug-in	Surface mount	Plug-in			
6	0.32	0.32	0.23	0.21	0.12	0.20	0.30	0.02	0.17	0.040	0.120
7	0.42	0.42	0.27	0.25	0.22	0.30	0.40	0.02	0.27	0.060	0.180
8	0.52	0.52	0.32	0.30	0.32	0.35	0.50	0.04	0.37	0.060	0.180
9	0.62	0.62	0.42	0.38	0.42	0.45	0.60	0.04	0.56	0.060	0.180

## COMMON MODE INDUCTORS

Electrical specification:

PART NUMBER*	INDUCTANCE mH	DCR (EACH WDG) OHM	MAX CURRENT A	SIZE
5T6228-01X	15.000	1.550	0.22	6
5T6228-02X	37.000	2.300	0.22	7
5T6228-03X	7.50	0.650	0.32	6
5T6228-04X	150.00	0.850	0.32	7
5T6228-05X	320.00	1.640	0.32	8
5T6228-06X	3.50	0.250	0.48	6
5T6228-07X	9.00	0.500	0.48	7
5T6228-08X	20.00	0.730	0.48	8
5T6228-09X	43.00	1.100	0.48	9
5T6228-10X	1.30	0.110	0.71	6
5T6228-11X	3.50	0.220	0.71	7
5T6228-12X	8.20	0.330	0.71	8
5T6228-13X	17.0	0.500	0.71	9
5T6228-14X	0.60	0.046	1.00	6
5T6228-15X	1.50	0.110	1.00	7
5T6228-16X	4.10	0.170	1.00	8
5T6228-17X	11.0	0.250	1.00	9
5T6228-18X	0.25	0.020	1.50	6
5T6228-19X	0.90	0.050	1.50	7
5T6228-20X	2.00	0.075	1.50	8
5T6228-21X	4.3	0.120	1.50	9
5T6228-22X	0.15	0.013	2.20	6
5T6228-23X	0.35	0.023	2.20	7
5T6228-24X	0.81	0.035	2.20	8
5T6228-25X	2.2	0.052	2.20	9
5T6228-26X	72uH	0.007	3.2	6
5T6228-27X	200	0.012	3.2	7
5T6228-28X	380	0.016	3.2	8
5T6228-29X	1080	0.024	3.2	9
5T6228-30X	24uH	0.005	4.8	6
5T6228-31X	105	0.0055	4.8	7
5T6228-32X	200	0.0073	4.8	8
5T6228-33X	430	0.0110	4.8	9
5T6228-34X	82uH	0.0029	7.1	7
5T6228-35X	78	0.0033	7.1	8
5T6228-36X	190	0.0050	7.1	9
5T6228-37X	18uH	0.0017	10.0	7
5T6228-38X	30	0.0017	10.0	8
5T6228-39X	200	0.0025	10.0	9

\*Configuration: X noting use type--S=Surface-mount and P=Plug-in