SUBMINIATURE AUDIO TRANSFORMERS

LT & LS SERIES
LU SERIES

The LS Series is electrically and mechanically the same as the LT Series except for phase relationships between terminals.

LS, LT, and LU Series transformers have successfully passed the rigid requirements of MIL-T-27, Class S, Grade 5.

Subminiature in size, weighing less than 0.1 ounce, these transformers have tenth inch grid spacing between terminals and are ideally suited for transistor circuit applications which utilize printed circuit board design. All three series have risers on mountng surfaces to facilitate inspection and board cleaning and also to prevent moisture traps.

A wide range of standard designs are available which meet the requirements of most common applications and allow for rapid delivery of prototype quantities. Special designs are also available in all three types.

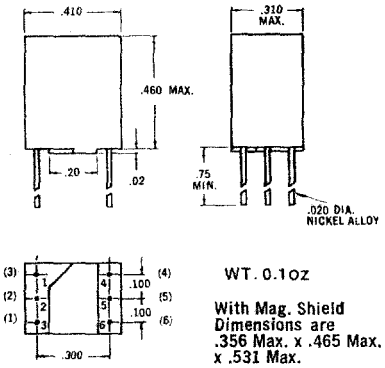
The new LU Series exhibits the same electrical characteristics as the LS and LT Series but has been packaged in a "thin line" configuration to allow for closer board spacing for "card cage" applications or where height dimensions are critical.

MAGNETIC SHIELDING

LS, LT and LU Series transformers are available with magnetic shields.

To order transformers with shields installed, add 500 to dash numbers shown in the table below. For example: to order an LS-22 with shield, specify LS-522.

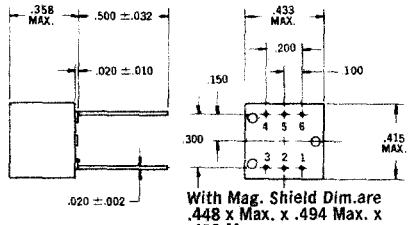
LS/LT SERIES



WT. 0.1oz

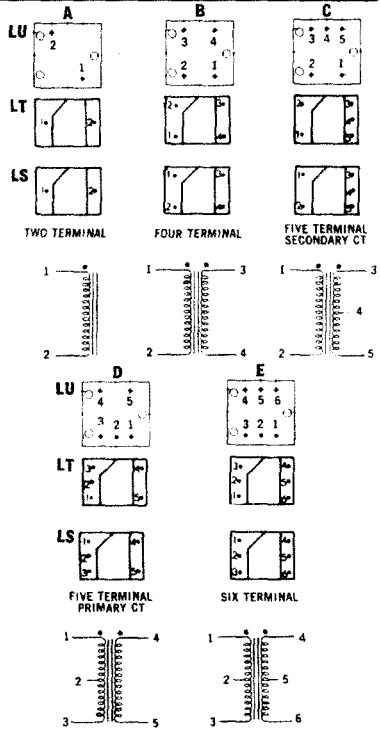
With Mag. Shield Dimensions are .356 Max. x .465 Max. x .531 Max.

LU SERIES



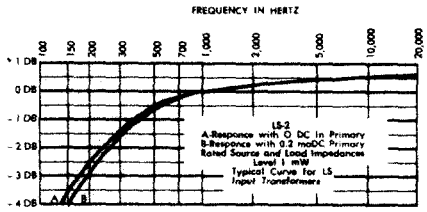
With Mag. Shield Dim.are .448 x Max. x .494 Max. x .400 Max.

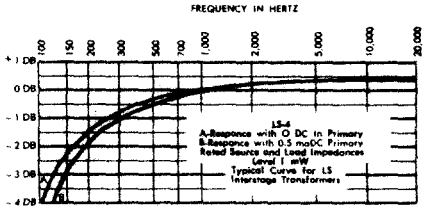
Mech. Tol. = ±.010 unless indicated.

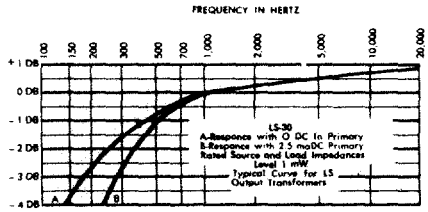


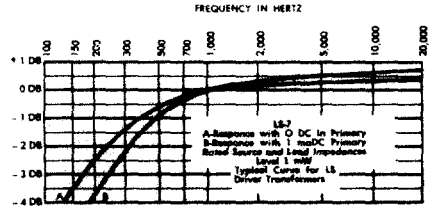
LS, LT or LU No.	Type	MIL-T-27 Designation	Primary Impedance	DCR Pri. Ohms	DC ma Pri.	Secondary Impedance	Max. Power mW	Terminal Layout
2	Input	TF5S21ZZ	50000 CT	3800	0.2	1000CT	25	E
4	Interstage	TF5S21ZZ	20,000/30,000	1700	0.5	800/1200	40	B
5	Interstage	TF5S21ZZ	20,000/30,000CT	1700	0.5	800/1200CT	40	E
6	Interstage	TF5S21ZZ	10,000/12,000CT	1050	1	1500/1800CT	50	E
7	Driver	TF5S21ZZ	10,000/12,000CT	1050	1	1200/1500CT	50	E
8	Driver	TF5S21ZZ	10,000/12,000CT	1050	1	2000/2500CT	50	E
9	Driver	TF5S21ZZ	10,000/12,000CT	1050	1	500/600CT	50	E
10	Output	TF5S21ZZ	500/600	60	3	50/60	50	B
11	Output	TF5S21ZZ	1000/1200	145	3	50/60	50	B
12	Output	TF5S21ZZ	600	70	3	3.2	50	B
13	Output	TF5S21ZZ	1200	120	2	3.2	50	B
14	Output	TF5S21ZZ	10,000	1160	1	3.2	50	B
15	Output	TF5S21ZZ	150/200CT	18	10	12/16	50	D
16	Output	TF5S21ZZ	300/400CT	38	7	12/16	50	D
17	Output	TF5S21ZZ	600/800CT	75	4.5	12/16	50	D
18	Output	TF5S21ZZ	1000/1330CT	120	3.5	12/16	50	D
19	Output	TF5S21ZZ	1500/2000CT	180	3	12/16	50	D
20	Output	TF5S21ZZ	7500/10,000CT	820	1	12/16	50	D
21	Output	TF5S21ZZ	300CT	37	7	600	50	D
22	Output	TF5S21ZZ	500CT	60	3	600	50	D
23	Output	TF5S21ZZ	900CT	100	4	600	50	D
24	Output	TF5S21ZZ	1500CT	170	3	600	50	D
25	Output	TF5S21ZZ	120/150CT	15	10	3.2/4	50	D
26	Output	TF5S21ZZ	320/400CT	40	6	3.2/4	50	D
27	Output	TF5S21ZZ	600/750CT	70	4.5	3.2/4	50	D
28	Output	TF5S21ZZ	800/1000CT	100	4	3.2/4	50	D
29	Output	TF5S21ZZ	1200/1500CT	125	3	3.2/4	50	D
30	Output	TF5S21ZZ	1600/2000CT	190	2.5	3.2/4	50	D
31	Output	TF5S21ZZ	8000/10,000CT	820	1	3.2/4	50	D
32	Output	TF5S21ZZ	10,000CT	1000	1	10,000CT	50	E
33	Driver	TF5S21ZZ	10,000/12,000	1050	1	500/600CT	50	C
34	Driver	TF5S21ZZ	20000	1700	0.3	1000	50	B
35	Output	TF5S21ZZ	1000	135	3	50	50	B
36	Output	TF5S21ZZ	400CT	40	3	11	50	D
37	Driver	TF5S21ZZ	10,000/12,000	1050	1	2000/2500CT	50	C
38	Output	TF5S21ZZ	600CT	72	3	600CT	50	E
39	Output	TF5S21ZZ	10,000	1000	1	10,000 split	50	*
40	Output	TF5S21ZZ	600	72	3	600 split	50	*
41	Input	TF5S21ZZ	25,000CT	4300	0.6	1000CT	30	E
42	Isolation	TF5S21ZZ	600CT	90	4	600CT	30	E
101	Choke	TF5S20ZZ	6 H @ 2 ma DC	1700				A
102	Choke	TF5S20ZZ	1.25 H @ 2 ma DC	180				A
103	Choke	TF5S20ZZ	3.5 M @ 2 ma DC	1100				A
104	Choke	TF5S20ZZ	.3 H @ 4 ma DC	42				A

* Primary terminals 1-2, secondary 3-4 & 5-6.









The above are typical response curves up to 20 kHz however many items in this series have useful frequency ranges up to 100 kHz and beyond.