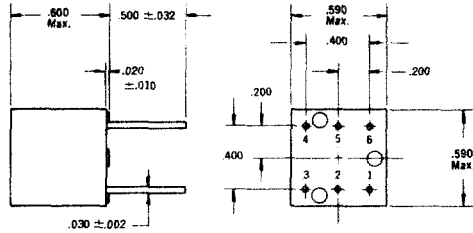


AUDIO TRANSFORMERS LL SERIES

Response: ± 1 db 200 to 50,000 Hz
Distortion: 10% max. at rated power, 200 to 50,000 Hz
Weight: 0.4 oz.



Mech. Tol. = ± 0.010 unless indicated.

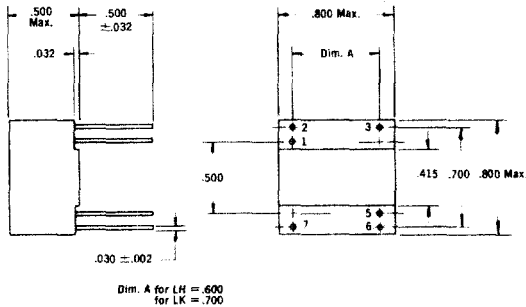
These tiny, versatile "LL" transformers are provided with .020 risers and 0.1 grid spacing for printed circuit board applications and are manufactured to MIL-T-27, Grade 5, Class S specifications.

LL No.	MIL-T-27 Designation	Application	Impedance Ohms		DC Resistance Ohms		Max. Pri. DC (ma)	Max. 200 Hz Power† (mW)
			Pri.	Sec.	Pri.	Sec.		
001	TF5S21ZZ	Input	100,000CT	1000CT	6000	60	0	150
002	TF5S21ZZ	Interstage	25,000CT	1000CT	2800	120	0	150
003	TF5S21ZZ	Interstage	10,000CT	10,000CT	1100	1200	1	150
004	TF5S21ZZ	Driver	10,000CT	1500CT	1100	200	1	150
005	TF5S21ZZ	Output to Line	10,000CT	600CT	1100	75	1	150
006	TF5S21ZZ	Interstage	4000CT	10,000CT	440	1200	1.5	150
007	TF5S21ZZ	Output to Line	1000CT	600CT	100	60	3	150
008	TF5S21ZZ	Output	1000CT	4	100	0.4	3	150
009	TF5S21ZZ	Input	600CT	25,000CT	65	3500	4	150
010	TF5S21ZZ	Isolation	600CT	600CT	65	75	4	150
011	TF5S21ZZ	Output	600CT	60	65	7	4	150
012	TF5S21ZZ	Output	600CT	4	65	0.5	4	150
013	TF5S21ZZ	Driver	10,000CT	2000CT	1100	240	1	150
014	TF5S21ZZ	Driver	10,000CT	500CT	1100	65	1	150
015	TF5S21ZZ	Line to Line	500CT	600CT	55	75	4.5	150
016	TF5S21ZZ	Output to Line	300CT	600CT	33	75	5.5	150

† These power ratings are based upon lowest frequency operation. Much higher ratings are possible at higher operating frequencies.

LH & LK SERIES

Response: ± 1 db 200 to 10,000 Hz
Distortion: 10% max. at rated power, 200 to 10,000 Hz
Weight: 0.75 oz.



Mech. Tol. = ± 0.010 unless indicated.

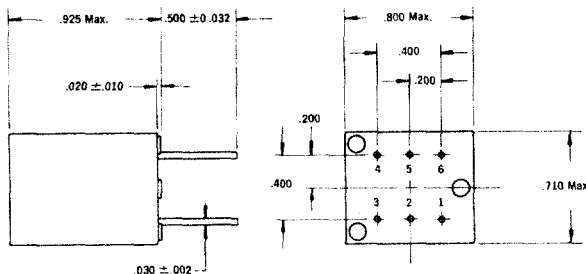
"LH & LK" Series transformers are the ultimate in compactness. Designed to meet MIL-T-27, Grade 5, Class S.

LH & LK No.	Application	Impedance Ohms		DC Resistance Ohms		Max. Pri. DC (ma)	Max. 200 Hz Power† (mW)
		Pri.	Sec.	Pri.	Sec.		
001	Interstage	25,000CT	1000CT	1325	53	0.5	300
002	Interstage	10,000CT	10,000CT	510	525	1	325
003	Driver	10,000CT	1500CT	510	80	1	325
004	Output to Line	10,000CT	600CT	510	31	1	325
005	Output	10,000CT	4	510	0.3	1	325
006	Interstage	4000CT	10,000CT	200	525	1.5	325
007	Output	1500CT	15	75	1	2.5	325
008	Output to Line	1000CT	600CT	50	31	3	325
009	Output	1000CT	4	50	0.3	3	325
010	Input	600CT	25,000CT	30	1500	4	300
011	Isolation	600CT	600CT	30	31	4	325
012	Output	600CT	60	30	3	4	325
013	Output	600CT	15	30	1	4	325
014	Output	600CT	4	30	0.3	4	325
015	Output to Line	250	600CT	13	31	7	325
016	Driver	10,000CT	2000CT	510	106	1	325
017	Driver	10,000CT	500CT	510	26	1	325
018	Line to Line	500CT	600CT	25	31	4.5	325
019	Output to Line	300CT	600CT	15	31	5.5	325
020	Isolation- Ratio 1:1:1	2000CT	8K split	100	425	2	300
021	Isolation	10,000CT	2K split	510	106	1	300

† These power ratings are based upon lowest frequency operation. Much higher ratings are possible at higher operating frequencies.

LR SERIES

Response: ± 1 db 200 to 20,000 Hz
Distortion: 10% max. at rated power, 200 to 20,000 Hz
Weight: 1.0 oz.



Mech. Tol. = ± 0.010 unless indicated.

These miniaturized "LR" transformers are manufactured to MIL-T-27, Grade 5, Class S specifications and are ideally suited for a wide range of printed circuit applications.

LR No.	MIL-T-27 Designation	Application	Impedance Ohms		DC Resistance Ohms		Max. Pri. DC (ma)	Max. 200 Hz Power† (mW)
			Pri.	Sec.	Pri.	Sec.		
001	TF5S21ZZ	Interstage	25,000CT	1000CT	2600	110	0.5	750
002	TF5S21ZZ	Interstage	10,000CT	10,000CT	1000	1100	1	750
003	TF5S21ZZ	Driver	10,000CT	1500CT	1000	165	1	750
004	TF5S21ZZ	Output to Line	10,000CT	600CT	1000	70	1	750
005	TF5S21ZZ	Output	10,000CT	4	1000	0.5	1	750
006	TF5S21ZZ	Interstage	4000CT	10,000CT	400	1100	1.5	750
007	TF5S21ZZ	Output	1500CT	15	150	2	2.5	750
008	TF5S21ZZ	Output to Line	1000CT	600CT	100	70	3	750
009	TF5S21ZZ	Output	1000CT	4	100	0.5	3	750
010	TF5S21ZZ	Input	600CT	25,000CT	60	2900	4	750
011	TF5S21ZZ	Isolation	600CT	600CT	60	70	4	750
012	TF5S21ZZ	Output	600CT	60	60	6.5	4	750
013	TF5S21ZZ	Output	600CT	15	60	2	4	750
014	TF5S21ZZ	Output	600CT	4	60	0.5	4	750
015	TF5S21ZZ	Output to Line	250	600CT	25	70	7	750
016	TF5S21ZZ	Driver	10,000CT	2000CT	1000	110	1	750
017	TF5S21ZZ	Driver	10,000CT	500CT	1000	110	1	750
018	TF5S21ZZ	Line to Line	500CT	600CT	50	70	4.5	750
019	TF5S21ZZ	Output to Line	300CT	600CT	30	70	5.5	750

† These power ratings are based upon lowest frequency operation. Much higher ratings are possible at higher operating frequencies.

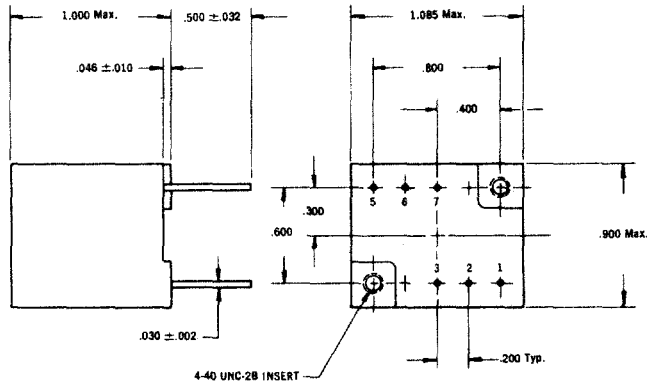
TRANSFORMERS

TOROTEL PRODUCTS INC./13402 South 71 Highway/Grandview, MO 64030/(816) 761-6314 TWX 910-777-7037

AUDIO TRANSFORMERS

LW SERIES

Response: ± 1 db 100 to 10,000 Hz.
Distortion: 1.5% max. at 60 mW, 200 to 10,000 Hz.
Weight: 2.0 oz.



Mech. Tol. = \pm .010 unless indicated.

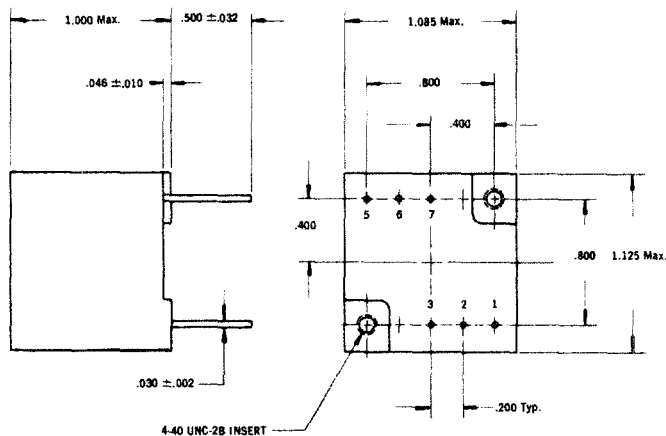
"LW" Series transformers are manufactured to MIL-T-27, Grade 5, Class S specifications. Riser areas and 0.1 grid spacing make these units ideal for printed circuit board applications.

LW No.	MIL-T-27 Designation	Application	Impedance Ohms		DC Resistance Ohms		Max. Pri. DC (ma)	Max. 200 Hz Power† Watt
			Pri.	Sec.	Pri.	Sec.		
001	TF5S21ZZ	Interstage	10,000CT	10,000CT	800	1050	1	3.5
002	TF5S21ZZ	Output to Line	10,000CT	600CT	800	60	1	3.5
003	TF5S21ZZ	Output	10,000CT	4	800	0.5	1	3.5
004	TF5S21ZZ	Output	1500CT	15	110	1.5	2.5	3.5
005	TF5S21ZZ	Output to Line	1000CT	600CT	75	60	3	3.5
006	TF5S21ZZ	Output	1000CT	4	75	0.5	3	3.5
007	TF5S21ZZ	Input	600CT	25,000CT	45	2700	4	2.5
008	TF5S21ZZ	Isolation	600CT	600CT	45	60	4	3.5
009	TF5S21ZZ	Output	600CT	60	45	6.5	4	3.5
010	TF5S21ZZ	Output	600CT	15	45	1.5	4	3.5
011	TF5S21ZZ	Output	600CT	4	45	0.5	4	3.5
012	TF5S21ZZ	Output to Line	250	600CT	20	60	7	3.5
013	TF5S21ZZ	Interstage	25,000CT	1000CT	2500	85	0.5	2.5
014	TF5S21ZZ	Driver	10,000CT	2000CT	800	170	1	3.5
015	TF5S21ZZ	Driver	10,000CT	500CT	800	50	1	3.5
016	TF5S21ZZ	Line to Line	500CT	600CT	50	60	4.5	3.5
017	TF5S21ZZ	Output to Line	300CT	600CT	30	60	1.5	3.5
018	TF5S21ZZ	Interstage	2500CT	10K split	200	900	5.5	3.5

† These power ratings are based upon lowest frequency operation. Much higher ratings are possible at higher operating frequencies.

LY SERIES

Response: ± 1 db 60 to 10,000 Hz.
Distortion: 1% max. at 250 mW, 200 to 10,000 Hz.
10% max. at rated power, 200 to 10,000 Hz.
Weight: 2.5 oz.



Mech. Tol. = \pm .010 unless indicated.

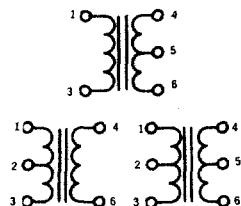
"LY" Series transformers are highly compact, efficient units with power output ratings to 7.5 watts. These transformers are manufactured to MIL-T-27, Grade 5, Class S specifications.

LY No.	MIL-T-27 Designation	Application	Impedance Ohms		DC Resistance Ohms		Max. Pri. DC (ma)	Max. 200 Hz Power† Watt
			Pri.	Sec.	Pri.	Sec.		
001	TF5S21ZZ	Interstage	10,000CT	10,000CT	700	900	1	6
002	TF5S21ZZ	Output to Line	10,000CT	600CT	700	55	1	6
003	TF5S21ZZ	Output	10,000CT	4	700	0.4	1	6
004	TF5S21ZZ	Output	1500CT	15	100	1.5	2.5	7.5
005	TF5S21ZZ	Output to Line	1000CT	600CT	65	55	3	7.5
006	TF5S21ZZ	Output	1000CT	4	65	0.4	3	7.5
007	TF5S21ZZ	Isolation	600CT	600CT	40	55	4	7.5
008	TF5S21ZZ	Output	600CT	60	40	6	4	7.5
009	TF5S21ZZ	Output	600CT	15	40	1.5	4	7.5
010	TF5S21ZZ	Output	600CT	4	40	0.4	4	7.5
011	TF5S21ZZ	Output to Line	250	600CT	16	55	7	7.5
012	TF5S21ZZ	Driver	10,000CT	2000CT	700	150	1	6
013	TF5S21ZZ	Driver	10,000CT	500CT	700	45	1	6
014	TF5S21ZZ	Line to Line	500CT	600CT	45	55	4.5	7.5
015	TF5S21ZZ	Output to Line	300CT	600CT	27	55	5.5	7.5
016	TF5S21ZZ	Interstage	2500CT	10K split	170	800	1.5	7.5

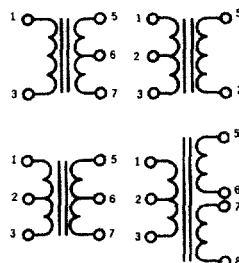
† These power ratings are based upon lowest frequency operation. Much higher ratings are possible at higher operating frequencies.

SCHEMATICS

LL/LR



LW/LY



LH/LK

