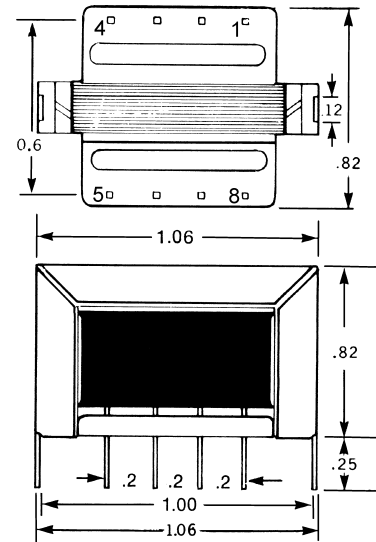
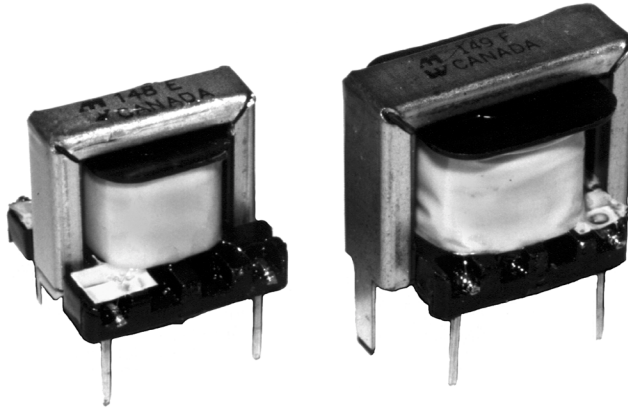
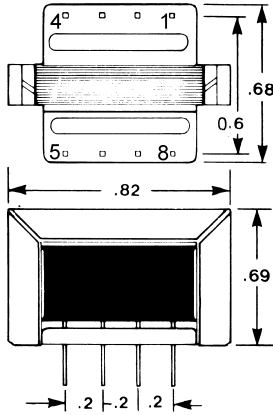


# P.C. Board Mount



## P.C. BOARD MOUNT AUDIO TRANSFORMERS

- Pin type (0.25" length & 0.025" square), P.C. board mount.
- Economical, open type, horizontal bracket construction. 149 Series includes clinching lugs for extra mounting strength.
- Frequency response 200 Hz. - 50 KHz. (+/- 1 db, ref. @ 1 KHz.).
- Total distortion approximately 2% for drivers and 1% for outputs at 200 Hz., decreasing at higher frequencies.
- Insertion loss less than 1/2 db.
- Bifilar wound for balanced capacitive and resistance characteristics, on pin bobbins for standard 0.2" grid pin spacing.
- Insulation test 250V rms.
- For rugged epoxy cast type units refer to our 102, 104, 106, 107, 108 & 109 series.
- Net weight: 0.6 oz. (148 Series) & 1.0 oz. (149 Series).

Audio

Cat. No.	Applicaton	Nominal Impedance		Pri. D.C. (*1) ma	D.C. Resistance +/- 15%		Output Milliwatts	Dwg. Figure
		Primary	Secondary		Primary	Secondary		
148A	Input	150/600	600/2400	1.9	45	300	300	1
148B	Input	150	400/1600	3.8	11.3	200	300	2
148C	Input	50000	250/1000	0	1760	25.4	12	2
148D	Input	200K	1000	0	1760	6.2	3	3
148E	Driver	500	125/500	18.0	79	60	75	2
148F	Driver	1500	125/500	11.6	220	58	75	2
148H	Driver	3000	250/1000	7.5	480	107	75	2
148K	Driver	4000	500/2000	6.5	540	230	75	2
148M	Driver	6000	500/2000	5.3	850	230	75	2
148Q	Driver	10000	500/2000	4.1	1700	238	75	2
148R	Driver	20000	250/1000	2.4	2230	123	50	2
148T	Output	500 ct	3.2	2.1	41	0.34	300	4
148V	Output	600 ct	150 ct	1.9	45	14	300	5
148X	Output	4000 ct	3.2	0.8	380	0.34	300	4
148Y	Output	5000 ct	500 ct	0.7	410	52	300	5
149C	Driver	160	20/80	56	24	6.5	200	2
149E	Driver	300	30/120	42	41	9.7	200	2
149F	Driver	450	40/160	33	52	19	200	2
149G	Driver	600	150/600	29	92	58	200	2
149H	Driver	1000	60/240	22	155	24	200	2
149Q	Output	200 ct	3.2	7	19	0.4	1000	4
149S	Output	600 ct	150 ct	4	53	17	1000	5
149T	Output	600 ct	600 ct	4	53	70	1000	5
149U	Output	150/600	8	4	53	95	1000	6
149V	Hybrid	600 ct	300/1200	4	53	63	1000	7

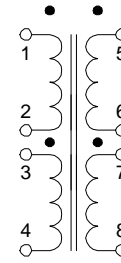


Fig. 1

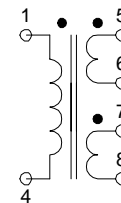


Fig. 2

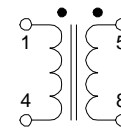


Fig. 3

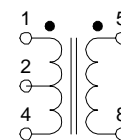


Fig. 4

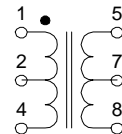


Fig. 5

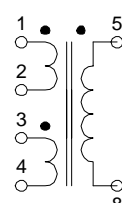


Fig. 6

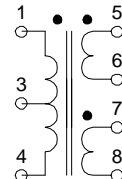
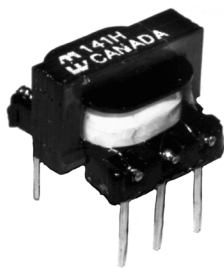


Fig. 7

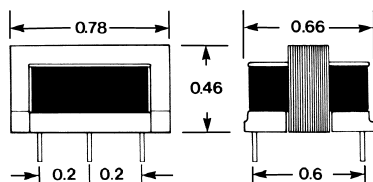
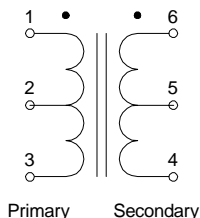
**NOTES:**

\*1) For output transformers this figure is maximum unbalance.  
 - Hybrid circuits require two units (Catalog # 145V)



## LOW PROFILE - P.C. BOARD MOUNT AUDIO TRANSFORMERS

- Pin type (0.25" length & 0.035" diameter), P.C. board mount
- Low profile, open type construction
- Frequency response 200 Hz. - 50 Khz. (+/- 2 db, ref. @ 1 Khz.)
- Net weight 0.6 oz.



Cat. No.	Nominal Impedance		Max. Pri. D.C. ma	D.C. Resistance		Output Milliwatts
	Primary	Secondary		Primary	Secondary	
<b>141B</b>	200 K	1000	0	3775	85	4
<b>141D</b>	3000 ct	1000 ct	1	120	51	150
<b>141F</b>	25 K	50	2	1645	65	100
<b>141H</b>	600 ct	600 ct	2	32	45	150
<b>141M</b>	300 K	1200 ct	2	1100	47	100
<b>141P</b>	1200 ct	8	2	50	0.45	150

## CHASSIS MOUNT - SHIELDED AUDIO TRANSFORMERS

- Insulated leads 5" long minimum
- Heavy drawn steel case (Diameter of 1.25" and height of 1") for excellent shielding - low hum pick-up.
- Frequency response 70 Hz. - 11 Khz. (+/- 1 db, ref. @ 1 Khz.)
- Case hole mounting centers are 1.6"
- Net weight 2 oz.

Cat. No.	Application	Nominal Impedance		Overall Turns Ratio Pri. to Sec.
		Primary	Secondary	
<b>140A</b>	Voice Coil to Single Grid	4	60000	1:122
<b>140B</b>	Dyn. MIC. to Single Grid	30	60000	1:45
<b>140C</b>	MIC. to Single Grid	50	60000	1:34.5
<b>140H</b>	Bridging Line to P.P. Grids	10000	40000 ct	1:2
<b>140K</b>	MIC. to Single Grid	150	60000	1:20
<b>140M</b>	CRYS, MIC. to Base	100K	1500	8:1
<b>140N</b>	Dyn. MIC to Base	50	1500	1:5.5
<b>140P</b>	Line to Base	150/600	600/2400	1:2
<b>140Q</b>	Line to Line	600 ct	600 ct	1:1



Audio

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