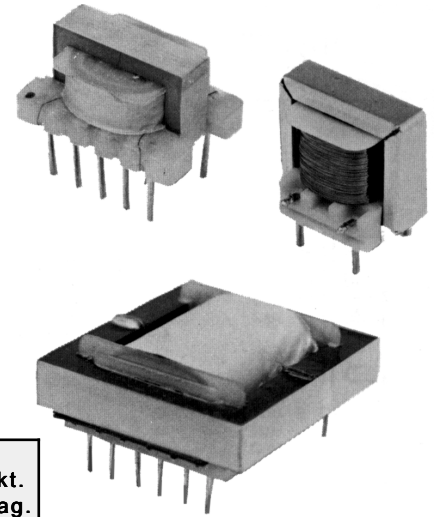


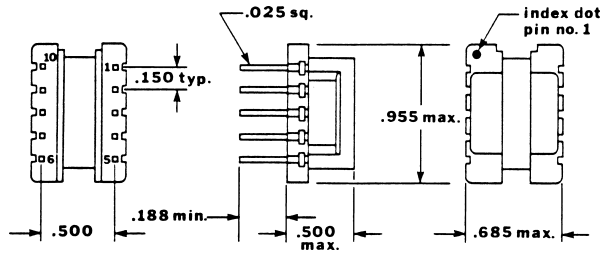
VOICE AUDIO TRANSFORMERS

- Catalog numbers marked without a * are impregnated with polyurethane which will withstand cleaning solvents. Catalog numbers marked with a * are processed without impregnation.
- Units withstand temperatures up to 105 degrees C.
- Cross-talk isolation of 65 db minimum.
- Longitudinal balance of 60 db minimum.
- Meets FCC Part 68 requirements
- Voltage breakdown 1500 VRMS.
- Frequency range of 300 Hz. to 3400 Hz.



Cat. No.	Nominal Impedance		Unbal. D.C. ma	Insertion Loss db	Freq. Resp. db	Return Loss ERL db	D.C. Resistance		Dim. Dwg.	Ckt. Diag.
	Pri.	Sec.					Pri.	Sec.		
150J011	600	600	0.0	1.25	0.50	24	34.0	47.0	1	A
150J021*	600	600	0.0	1.50	0.50	12	45.0	60.0	2	B
150J022*	600	600	80.0	2.00	3.00	9	47.0	63.0	2	B
150J023*	600	600	0.0	1.50	0.50	12	47.0	63.0	3	C
150J024*	600	600	80.0	2.00	3.00	9	47.0	63.0	3	C
150J031	600	600	80.0	1.25	0.50	26	66.5	73.5	4	D
150J032	600	600CT	75.0	1.50	0.50	26	67.0	90.0	4	E
150J081*	600	600	80.0	2.00	1.00	12	90.0	126.0	5	F
150J201	600	600	80.0	2.00	1.00	18	74.0	97.0	7	G
150J202	600CT	600	80.0	2.00	1.00	18	74.0	97.0	7	H
150J203	600CT	600CT	80.0	2.00	1.00	18	74.0	97.0	7	J
150J211*	600	600	0.0	0.70	0.50	18	31.0	39.0	6	B

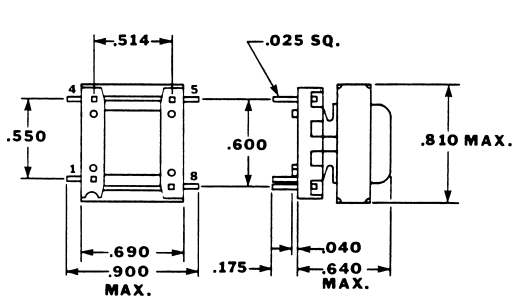
Audio



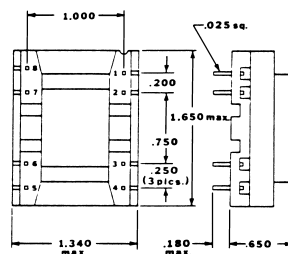
Drawing 1



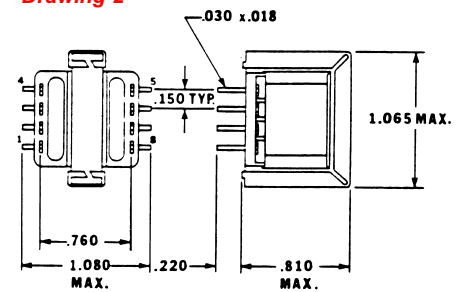
Drawing 2



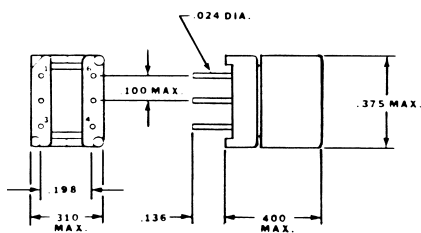
Drawing 3



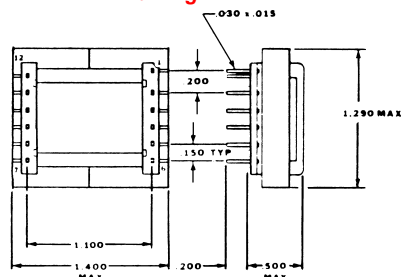
Drawing 4



Drawing 5



Drawing 6



Drawing 7

Refer to next page for circuit diagrams

CANADA

Phone: (519) 822-2960 Fax: (519) 822-0715

USA

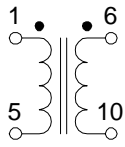
Phone: (716) 651-0086 Fax: (716) 651-0726



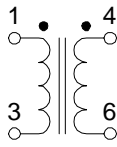
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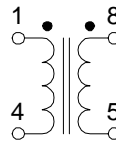
**VOICE
AUDIO TRANSFORMERS
(Continued)**



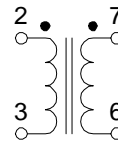
Ckt A



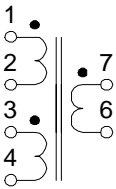
Ckt B



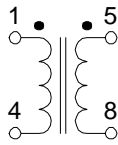
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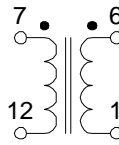
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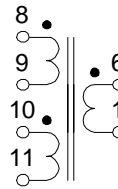
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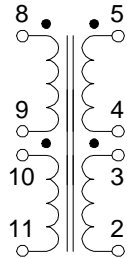
Ckt F



Ckt G



Ckt H



Ckt J

Audio

**HYBRID VOICE
AUDIO TRANSFORMERS**

- Used in all types of central office and customer premises equipment.
- Excellent hybrid characteristics.
- Longitudinal balance of 60 db.

Cat. No.	Application	2 Wire Ohms	4 Wire Ohms	Primary Return loss @ 1 KHz db	Trans - hybrid balance db	Primary D.C. ma
151J101	2 Xfmr Hybrid	600 or 900	600/600	36	45	100

