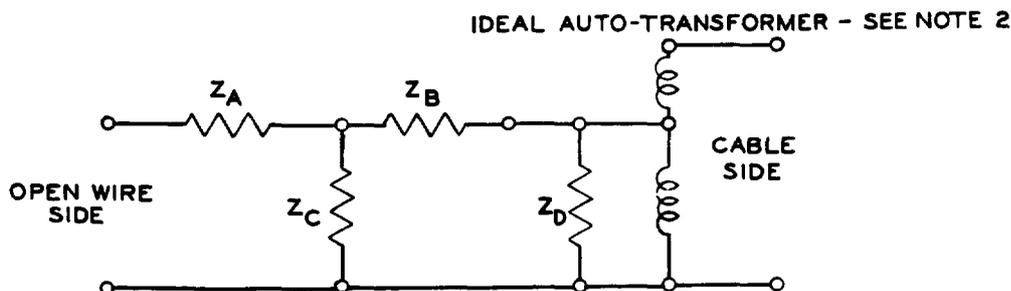


Equivalent T-Networks for Equipment

16B (14B) AUTOTRANSFORMER



SIDE CIRCUIT EQUIVALENT NETWORK - SEE NOTE 1

<u>FREQUENCY</u>	<u>Z_A</u>	<u>Z_B</u>	<u>Z_C</u>	<u>Z_D</u>
135	32.8-J207	-7.7 + J182	260 + J1989	-J56500
200	32.8-J121	-7.7 + J123	458 + J3840	-J38200
300	32.8-J52.5	-7.7 + J82.2	893 + J7160	-J25450
500	32.8+J22.5	-7.7 + J50.1	5550 + J23570	-J15300
600	32.8+J49.3	-7.7 + J42.3	42700 + J58600	-J12780
800	32.8+J96.3	-7.7 + J32.6	4880 - J27650	-J9580
1000	32.8+J138	-7.7 + J27	902 - J13240	-J7550
1500	32.8+J232	-7.7 + J20.1	156 - J6460	-J5100
2000	32.8+J322	-7.7 + J17.2	60.5 - J4380	-J3820
2500	32.8+J410	-7.7 + J16.1	30 - J3360	-J3055
3000	32.8+J497	-7.7 + J15.7	14 - J2750	-J2555
3500	32.8+J583	-7.7 + J15.8	11 - J2325	-J2190

PHANTOM CIRCUIT EQUIVALENT NETWORK - SEE NOTE 1

<u>FREQUENCY</u>	<u>Z_A</u>	<u>Z_B</u>	<u>Z_C</u>	<u>Z_D</u>
135	42.9-J127.5	-24.1 + J98	222 + J1693	INFINITY
200	42.9-J85.6	-24.1 + J66.5	277 + J2805	INFINITY
300	42.9-J56.5	-24.1 + J44.9	440 + J4340	INFINITY
500	42.9-J32.9	-24.1 + J28.1	845 + J7765	INFINITY
1000	42.9-J13.9	-24.1 + J16.8	4160 + J23340	INFINITY
1500	42.9-J6.2	-24.1 + J14.1	178400 + J38460	INFINITY
2000	42.9-J1.6	-24.1 + J13.6	5950 - J34030	INFINITY
2500	42.9+J1.9	-24.1 + J14.1	1422 - J18570	INFINITY
3000	42.9+J4.7	-24.1 + J14.9	688 - J13160	INFINITY
3500	42.9+J7.3	-24.1 + J16.1	453 - J10800	INFINITY

- Notes: 1. Equivalent network with 3 volts A-C on open wire side.
2. Ideal auto-transformer impedance ratio, open wire to cable:
Side circuit - 1:1.6
Phantom circuit - 1:1.7
3. These two autotransformers which differ only in that the 16B is for outside and the 14B for inside mounting were designed for junctions between H-88-50 cable and 104-mil open wire facilities.
4. For description of autotransformers see P.E.L. 2910; for tabulated return loss data see Section 304-420-100.