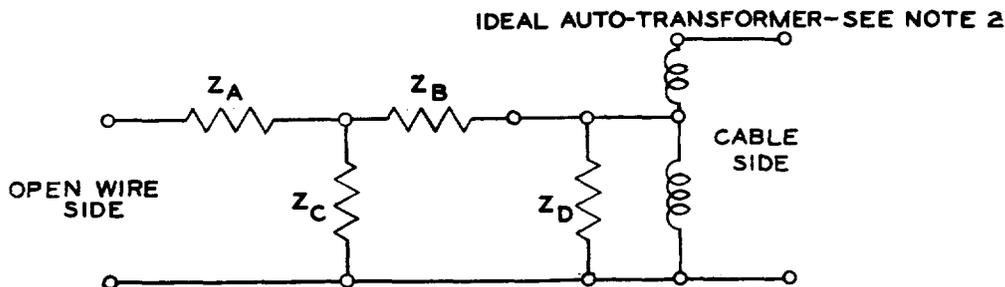


Equivalent T-Networks for Equipment

16A (1 $\frac{1}{4}$ A) AUTOTRANSFORMER



SIDE CIRCUIT EQUIVALENT NETWORK - SEE NOTE 1

FREQUENCY	<u>Z_A</u>	<u>Z_B</u>	<u>Z_C</u>	<u>Z_D</u>
100	33.6 - J468	3.9 + J350	205 + J535	-J31800
135	33.6 - J345	3.9 + J277	232 + J1445	-J23600
200	33.6 - J233	3.9 + J219	285 + J2610	-J15900
300	33.6 - J155	3.9 + J195	442 + J4450	-J10600
500	33.6 - J91.6	4.0 + J212	1067 + J9225	-J6360
600	33.6 - J75.5	4.1 + J230	1770 + J12830	-J5310
800	33.6 - J55.5	4.2 + J277	7211 + J28435	-J3990
1000	33.6 - J42.9	4.3 + J328	132940 - J20945	-J3180
1500	33.6 - J25.4	4.6 + J465	1544 - J16725	-J2120
2000	33.6 - J15.9	4.8 + J609	395 - J9190	-J1590
2500	33.6 - J9.3	5.0 + J753	176 - J6535	-J1275
2900	33.6 - J5.2	5.2 + J870	102 - J5330	-J1097
3000	33.6 - J4.3	5.2 + J900	92 - J5110	-J1060
3500	33.6 - J0	5.4 + J1044	56 - J4225	-J910

PHANTOM CIRCUIT EQUIVALENT NETWORK - SEE NOTE 1

FREQUENCY	<u>Z_A</u>	<u>Z_B</u>	<u>Z_C</u>	<u>Z_D</u>
100	43.9 - J216	-16.8 - J153	151 + J805	INFINITY
135	43.9 - J160	-16.8 - J113	174 + J1365	INFINITY
200	43.9 - J107	-16.8 - J75.9	217 + J2275	INFINITY
300	43.9 - J71.3	-16.8 - J50.1	322 + J3570	INFINITY
500	43.9 - J41.7	-16.8 - J29	560 + J6235	INFINITY
600	43.9 - J34.2	-16.8 - J23.6	731 + J7735	INFINITY
800	43.9 - J24.5	-16.8 - J16.6	1253 + J11135	INFINITY
1000	43.9 - J18.5	-16.8 - J12.2	2210 + J15965	INFINITY
1500	43.9 - J9.7	-16.8 - J5.5	22320 + J53720	INFINITY
2000	43.9 - J4.5	-16.8 - J1.4	23490 - J58870	INFINITY
2200	43.9 - J2.9	-16.8 + J0.1	8510 - J37910	INFINITY
2500	43.9 - J0.9	-16.8 + J1.7	3315 - J24600	INFINITY
3000	43.9 + J2.2	-16.8 + J4.3	1422 - J16350	INFINITY
3500	43.9 + J4.8	-16.8 + J6.6	801 - J11980	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 - 1:2.15
 Phantom circuit - 1:2
 3. These two autotransformers which differ only in that the 16A is for outside and the 1 $\frac{1}{4}$ A for inside mounting were designed primarily for use between junctions of 19-gauge H-172-63 cable and 104-mil open wire circuits.
 4. For description of autotransformers see Section AB23.196; for tabulated return loss data see Section 304-420-100.