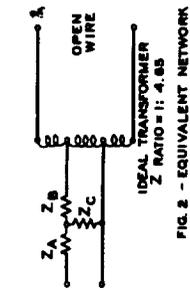


EQUIVALENT T-NETWORKS FOR EQUIPMENT

24A AUTOTRANSFORMER



EQUIVALENT NETWORK AT VOICE FREQUENCIES

CYCLES PER SECOND	Z _A			Z _B			Z _C (0 - d.c.)			Z _C 1000 MILLS			d.c. SERIES WINDING IN WDS. (2 B 5-6)		
	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF
300	14-1228	14-162	14-10	+187	+158	+119	0	35-1692	35-1835	35-10025	35-10060	40-1574	40-1837	40-1807	40-1842
300	14-1238	14-181	14-27	+132	+137	+112	0	40-11316	40-1462	40-11839	40-11842	60-11139	60-11317	60-11342	60-11365
300	14-1171	14-149	14-17	+179	+122	+119	0	65-12362	65-12468	65-12526	65-12526	80-12093	80-12196	80-12226	80-12240
600	14-1143	14-141	14-14	+166	+119	+116	0	85-12662	85-12680	85-12680	85-13015	110-12825	110-12825	110-12848	110-12860
600	14-1107	14-131	14-10	+149	+114	+115	0	145-13658	145-13624	145-13941	145-13941	185-13449	185-13449	185-13466	185-13475
1000	14-106	14-125	14-16	+139	+111	+114	0	225-14788	225-14539	225-14853	225-14860	275-14248	275-14248	275-14263	275-14270
1500	14-103	14-116	14-14	+126	+111	+113	0	450-17048	450-17055	450-17055	450-17060	550-18151	550-18151	550-18151	550-18151
2000	14-103	14-112	14-14	+120	+111	+113	0	700-19100	700-19100	700-19100	700-19100	850-18003	850-18003	850-18003	850-18003
2500	14-103	14-110	14-13	+116	+111	+112	0	950-111232	950-111232	950-111232	950-111232	1200-119781	1200-119781	1200-119781	1200-119781
3000	14-103	14-108	14-13	+112	+111	+111	0	1180-118155	1180-118178	1180-118178	1180-118178	1420-118982	1420-118982	1420-118982	1420-118982

EQUIVALENT NETWORK AT CARRIER FREQUENCIES

NYCICLES PER SECOND	Z _A			Z _B			Z _C		
	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF	C = 1 MF	C = 3.3 MF	C = 10.5 MF
4	14-1212	14-158	14-112	14-103	-1.8	-1.7	+1.1	+1.1	-11710
5	14-1187	14-145	14-112	14-104	-1.6	-1.7	+1.0	+1.1	-11370
6	14-1137	14-132	14-102	14-103	-1.5	-1.7	+1.0	+1.1	-117800
8	14-1098	14-118	14-102	14-107	-1.1	-1.9	+1.2	+1.2	-15200
10	14-1078	14-118	14-10	14-108	-1.1	-1.8	+1.2	+1.2	-14680
11	14-1068	14-113	14-102	14-109	-1.0	-1.8	+1.2	+1.2	-14280
14	14-107	14-108	14-108	14-111	+1.0	+3.0	+3.6	+3.7	-13340
21	14-112	14-110	14-118	14-120	+1.5	+6.5	+7.2	+7.3	-11735
30	14-112	14-103	14-138	14-138	+1.3	+13.3	+13.4	+13.5	-11375
60	14-107	14-105	14-137	14-136	+1.0	+21.2	+21.3	+21.3	-1385
100	14-108	14-107	14-134	14-134	+1.0	+26.8	+27.0	+27.0	-1468
125	14-107	14-107	14-134	14-134	+1.0	+33.5	+33.8	+33.8	-1375
140	14-107	14-106	14-130	14-133	+1.0	+37.8	+37.8	+37.8	-1335
190	14-107	14-131	14-113	14-113	+1.0	+40.4	+40.5	+40.5	-1312

NOTE: THE BRIDGING EFFECT OF THE MUTUAL IMPEDANCE OF THE AUTO TRANSFORMER IS NEGLECTED IN THE EQUIVALENT NETWORK AT CARRIER FREQUENCIES AND THE MUTUAL CAPACITANCE BETWEEN WINDINGS ARE NEGLECTED IN THE EQUIVALENT NETWORK FOR VOICE FREQUENCIES.