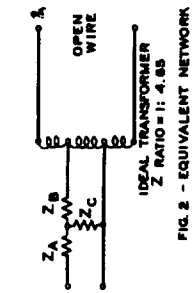


EQUIVALENT T-NETWORKS FOR EQUIPMENT

24A AUTOTRANSFORMER



EQUIVALENT NETWORK AT VOICE FREQUENCIES

CYCLES PER SECOND	Z _A										Z _B										Z _C										
	C=1MF	C=3.33MF	C=10.5MF	C=30MF	C=100MF	C=300MF	C=1000MF	C=3000MF	C=10000MF	C=30000MF	C=1MF	C=3.33MF	C=10.5MF	C=30MF	C=100MF	C=300MF	C=1000MF	C=3000MF	C=10000MF	C=30000MF	C=1MF	C=3.33MF	C=10.5MF	C=30MF	C=100MF	C=300MF	C=1000MF	C=3000MF	C=10000MF	C=30000MF	
300	14-1228	14-182	14-141	14-910	+187	+58	+19	0	35-1892	35-1835	35-1025	35-1060	40-1574	40-1837	40-1807	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	40-1842	
300	14-1228	14-181	14-141	14-910	+182	+57	+12	0	40-11316	40-1062	40-1039	40-1042	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	40-11339	
300	14-1171	14-149	14-117	14-910	+179	+22	+9	0	68-12382	65-12488	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	65-12526	
300	14-1143	14-141	14-114	14-910	+166	+19	+6	0	85-12862	85-12860	85-12860	85-13015	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	110-12825	
300	14-1107	14-131	14-110	14-910	+149	+14	+5	0	145-13658	145-13624	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	145-13641	
1000	14-106	14-125	14-10	14-910	+139	+11	+4	0	225-14788	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	225-14538	
1500	14-103	14-116	14-10	14-910	+126	+8	+3	0	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048	450-17048
2500	14-103	14-112	14-10	14-910	+120	+8	+2	0	700-19133	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100	700-19100
2500	14-103	14-110	14-10	14-910	+116	+8	+2	0	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232	950-11232
3000	14-103	14-10	14-10	14-910	+112	+3	+1	0	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815	1180-11815

EQUIVALENT NETWORK AT CARRIER FREQUENCIES

NILOCYCLES PER SECOND	Z _A										Z _B										Z _C									
	C=1MF	C=3.33MF	C=10.5MF	C=30MF	C=100MF	C=300MF	C=1000MF	C=3000MF	C=10000MF	C=30000MF	C=1MF	C=3.33MF	C=10.5MF	C=30MF	C=100MF	C=300MF	C=1000MF	C=3000MF	C=10000MF	C=30000MF										
4	14-1212	14-158	14-112	14-103	-1.8	-1.7	+1.2	+1.1	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
5	14-1187	14-145	14-112	14-104	-1.6	-1.6	+1.0	+1.0	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6
6	14-1137	14-132	14-102	14-103	-1.5	-1.5	+1.0	+1.0	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
8	14-109	14-118	14-102	14-107	-1.1	-1.1	+1.2	+1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
10	14-107	14-118	14-10	14-108	-1.1	-1.1	+1.2	+1.2	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
11	14-103	14-113	14-102	14-109	-1.0	-1.0	+1.2	+1.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
14	14-103	14-108	14-108	14-111	-1.0	-1.0	+1.3	+1.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
21	14-112	14-110	14-118	14-120	-1.5	-1.5	+1.6	+1.6	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
30	14-112	14-133	14-138	14-138	-1.7	-1.7	+1.7	+1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
60	14-147	14-156	14-157	14-156	-2.1	-2.1	+2.1	+2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1
100	14-168	14-173	14-174	14-174	-2.6	-2.6	+2.6	+2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
125	14-187	14-192	14-193	14-193	-3.3	-3.3	+3.3	+3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3
140	14-190	14-194	14-193	14-193	-3.7	-3.7	+3.7	+3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
190	14-197	14-194	14-193	14-193	-4.0	-4.0	+4.0	+4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0

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.