



MICROTRAN.

WIDE BAND AND PULSE TRANSFORMERS

For Isolation, Data Interface and ISDN Applications



FIGS 3



FIG. 2F

FIG. EP10

FIG. EP7

FIG. G5

FIG. RM5

ENCAPSULATED PULSE TRANSFORMERS FOR ISOLATION & DATA INTERFACE

PHT-029	3	1.70mH	1:0.83	87	3.9	0.27:0.12	A	—
PHT-023	RM5	2.40mH	1:0.65	25	2.0	0.45:0.13	C	(AIE 315-0719)
G511 ⁴	G5	2.00mH	1:1	25	8.0	1:1	A	2kV rms hi-pot for LAN
PHT-022	2F	0.50mH	1:1	26	1.7	1.3:1.4	A	Low cost
G516	G5	0.50mH	1:1.3	32	0.7	1.35:1.35	A	—
PHT-031	EP10	10.00mH	1:4	15	350.0	7.3:24	A	2.5kV rms hi-pot
G510	G5	0.05mH	1CT:1CT	18	0.5	1.3:1.3	D	(Valor TT1500)
G509	G5	0.50mH	1CT:1CT	32	0.4	1.3:1.3	D	—
G508	G5	2.00mH	1CT:1CT	37	0.8	2.5:2.5	D	(Pulse PE-8270)
PHT-032	2F	7.00mH	1CT:1CT	30	19.0	2.4:2.8	D	(AIE 315-0729)
G517	G5	1.00mH	1CT:1.41CT	32	1.5	1.5:1.5	D	(Technitrol T1553-20)
PHT-030	EP7	9.00mH	1CT:2	12	15.0	1.6:3.8	C	—
G515	G5	0.20mH	2CT:1CT	8	0.8	0.9:0.5	D	—
G512	G5	2.00mH	2CT:1	19	1.8	2.5:1.4	C	(Pulse PE-8276)
G504	G5	0.05mH	1:1:1	18	0.5	1.3:1.3:1.3	E	(Valor CT 150G)
G503	G5	0.20mH	1:1:1	18	0.3	0.9:0.9:0.9	E	—
G52E1115	G5	0.25mH	1:1:1	16	0.5	1.1:1.1:1.1	E	(Datatronic 4258-0004)
G502	G5	0.50mH	1:1:1	32	0.4	1.3:1.3:1.3	E	(Pulse PE-5762)
PHT-029-3	3	1.00mH	1:1:1	130	1.0	0.75:0.75:0.75	E	—
G513	G5	1.20mH	1:1:1	25	0.5	0.7:0.7:0.7	E	—
G514	G5	1.20mH	1:1:1	30	0.7	0.7:0.7:0.7	E	—
G501	G5	2.00mH	1:1:1	37	0.8	2.5:2.5:2.5	E	—
G53E111P5	G5	2.50mH	1:1:1	35	0.8	2.4:2.4:2.4	E	(Datatronic 4258-0007)
PHT-034	2F	2.50mH	1:1:1	30	5.0	2:2:2	E	(Pulse PE-2229X)
G500	G5	5.00mH	1:1:1	60	1.3	3.9:3.9:3.9	E	0.25" ht
G52J111P5	G5	0.80mH	1:1:1	20	0.4	1.4:1.4:1.4	E	—
G74B1115	G7	12.50mH	1:1:1	127	3.0	8.9:8.9:8.9	E	(Datatronic 4259-0004)
PHT-068	EP13	35.00mH	1CT:1CT:1CT	20	50.0	3.5:6:5.5	T	—
G52E2115	G5	0.25mH	2:1:1	10	2.5	1.0:0.7:0.7	E	(Technitrol 21HHA)
G507	G5	0.50mH	2:1:1	11	1.1	1.3:0.7:0.7	E	—
G506	G5	2.00mH	2:1:1	19	1.8	2.5:1.4:1.4	E	—
G505	G5	5.0mH	2:1:1	33	3.6	3.9:2.2	E	—
PHT-015	2F	0.60mH	4:1:4	12	19.0	0.6:0.2:0.6	F	1.2kV rms hi-pot

DATA BUS INTERFACE TRANSFORMERS: FOR MIL-STD-1553 APPLICATIONS

PHT-027 ⁵	G5	2.90mH	1CT:1CT	50	2.3	1.25:1.25	D	(Technitrol T1553-21)
PHT-028 ⁵	G5	2.90mH	1CT:1CT	25	2.3	1.25:1.25	D	(Technitrol 12UHD)
PHT-036 ⁵	G5	4.00mH	1CT:1.41CT	24	0.9	1:1.4	D	(Technitrol T1553-22)

ISDN TRANSFORMERS: MEET CCITT I-430

SEP-1	EP13	30.0mH	1CT:1CT	50	13.0	1:1:2.6	D	AMD 79030A
SEP-2	EP13	30.0mH	1CT:1CT	50	15.0	1:1:1.3	D	Motorola MC145474
SEP-3	EP13	30.0mH	1CT:2.5CT	50	13.0	1:1:4.2	D	Intel 29C53 Transmit
SEP-4	EP13	30.0mH	1CT:1.8CT	50	13.0	1:2.2:6	D	Intel 29C53 Receive
SEP-5	EP13	30.0mH	1CT:2CT	50	10.0	10:20	D	NEC μ PD98201 Receive
SEP-6	EP13	30.0mH	1CT:1CT	50	10.0	2:2:2.2	D	NEC μ PD98201 Transmit
SRM-1	RM-5	30.0mH	1CT:2CT	50	15.0	2:2.4:8	D	Mitel MT8930
SRM-2	RM-5	30.0mH	1CT:1CT	50	22.0	2:2:1.5	D	Motorola MC145474
SRM-3	RM5	30.0mH	1CT:2.5CT	50	15.0	2:2.8:2	D	Intel 29C53 Transmit
SRM-4	RM5	30.0mH	1CT:1.8CT	50	15.0	2:2.4:2	D	Intel 29C53 Receive

Note 1: "OCL" is typical primary open circuit inductance (L), in milli-Henry (except PHT-023), as read on an LC meter

Note 2: "C pF" is primary to secondary interwinding capacitance (C) in pico-Farad.

Note 3: "L_{uH}" is primary winding leakage inductance (L) in micro-Henry, with the secondary(s) shorted

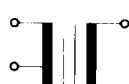
Note 4: Designed for IEEE-802.3 LAN applications

Note 5: Designed and tested to MIL-T-27 specifications

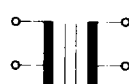
SCHEMATIC CIRCUIT DIAGRAMS



A



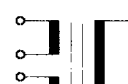
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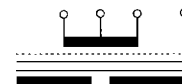
D



E



F



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