

MT-40000 SERIES

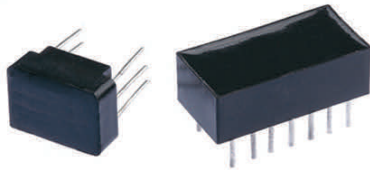
T1/E1/CEPT/ISDN Primary Rate Transformers

MINNTRONIX

Wind Up the Best®



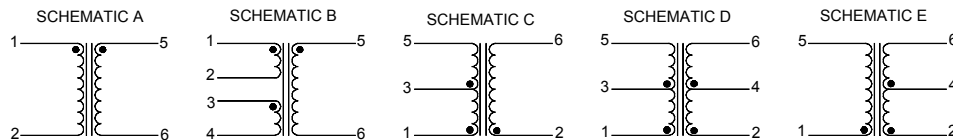
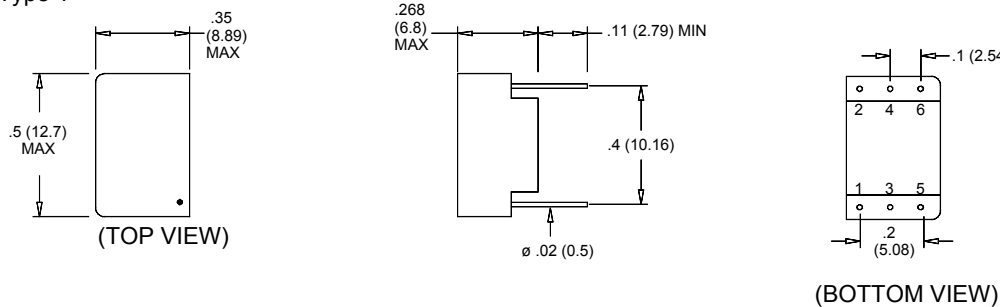
Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com



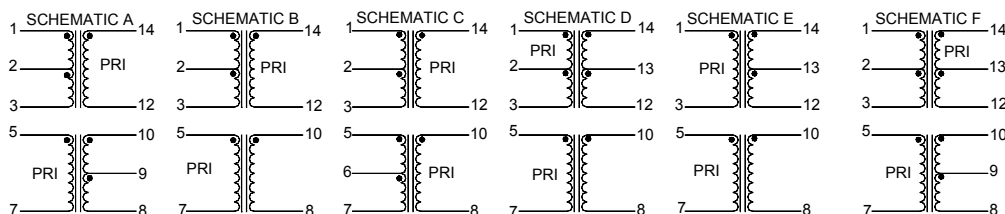
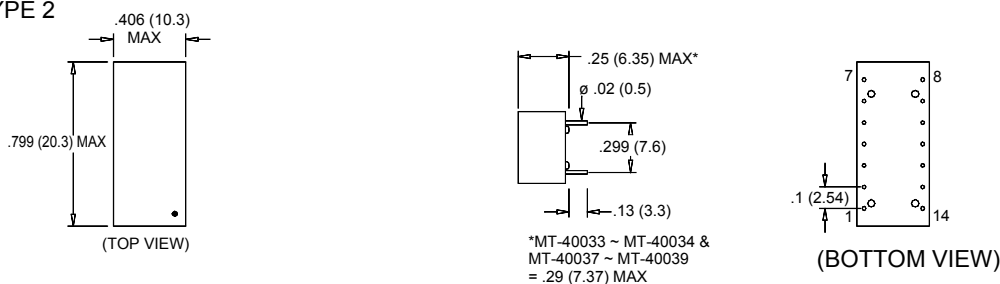
- Compatible with popular ICs. Contact Minntronix for the latest cross-reference information
- Small packages
- Low profile
- 1500Vrms isolation
- Designed to meet CCITT & FCC requirements

Mechanical Dimensions:

Type 1



TYPE 2



UNIT: Inch (mm)

Specifications on page A12

Specifications subject to change. Custom versions of any Minntronix Products are available upon request.

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Single Packages—Electrical specifications at 25°C

Part Number	Turns Ratio (±5%)	Inductance (mHy min)	C w/w (pF max)	Leakage Inductance (uHy max)	DCR Pri 20°C (ohms max)	DCR Sec 20°C (ohms max)	Type / Schematic	Primary Pins
MT-40001	1:1.1(CT)	1.20	25	0.50	0.70	0.70 & 0.70	1/B	1-2
MT-40002	1:1:1	2.00	40	0.50	0.70	0.70	1/B	1-2
MT-40003	1CT:3CT	1.20	30	0.50	0.70	1.60	1/D	1-5
MT-40004	1:1	1.20	25	0.50	0.70	0.70	1/A	1-2
MT-40005	1:1CT	0.06	23	0.75	0.60	0.60	1/C	2-6
MT-40006	1CT:1	1.20	25	0.80	0.70	0.70	1/C	1-5
MT-40007	1:1.36	1.20	35	0.80	0.70	0.80	1/A	5-6
MT-40008	1:1.26CT	0.06	23	0.75	0.60	0.60	1/C	2-6
MT-40009	1:1:1.58	0.30	30	0.60	0.40 & 0.40	0.60	1/B	1-4(2,3 tie)
MT-40010	1:1:2	0.80	30	0.60	0.40 & 0.40	0.60	1/B	1-4(2,3 tie)
MT-40011	1:1:2.62	0.80	30	0.40	0.40 & 0.40	0.60	1/B	1-4(2,3 tie)
MT-40012	1CT:2CT	1.20	30	0.30-0.55	0.70	1.20	1/D	1-5
MT-40013	2CT:1CT	2.00	30	1.50	0.70	0.40	1/D	1-5
MT-40014	2.53CT:1	2.00	20	1.50	1.00	0.50	1/C	1-5
MT-40015	1:2CT	1.20	40	0.50	0.70	1.20	1/C	2-6
MT-40016	1:2CT	2.00	40	0.50	0.70	1.40	1/C	2-6
MT-40017	1:4CT	0.50	40	1.00	0.50	1.50	1/E	1-5
MT-40018	1:1.14CT	1.20	35	0.80	0.70	0.80	1/E	1-5
MT-40019	1CT:2CT	1.20	30	0.55	0.70	1.20	1/D	1-5
MT-40028	1 : 0.575:0.575	1.50	25	0.80	0.70	0.50	1/B	5-6
MT-40029	1:1.15CT	1.50	35	0.60	0.70	0.90	1/C	2-6
MT-40030	1:1.58CT	1.50	35	0.50	0.70	0.90	1/C	2-6
MT-40031	1:0.5:0.5	1.50	25	1.20	0.70	0.50	1/B	5-6
MT-40032	1:0.633:0.633	1.50	20	1.10	0.70	0.50	1/B	5-6
MT-40035	1:1.36CT	1.20	35	0.80	0.70	0.90	1/E	1-5
MT-40036	1:2.3CT	1.20	35	0.80	0.70	1.20	1/E	1-5
MT-40040	1CT:1CT	1.20	25	0.80	0.80	0.80	1/D	1-5
MT-40041	1:1.36	1.20	35	0.80	0.90	1.20	1/A	5-6
MT-40042	1:1.15CT	1.50	40	0.80	0.90	1.00	1/C	2-6
MT-40043	1CT:2CT	1.20	45	0.60	1.00	2.00	1/D	2-6
MT-40044	1CT:1CT	1.20	50	1.10	1.00	1.00	1/D	1-5

Dual Packages—Electrical specifications at 25°C

Part Number	Turns Ratio (±5%)	Inductance (mHy min)	C w/w (pF max)	Leakage Ind (uHy max)	DCR Pri 20°C (ohms max)	DCR Sec 20°C (ohms max)	Type / Schematic	Primary Pins
MT-40020	1:2CT & 1:2CT	1.20 & 1.20	35 & 35	0.50 & 0.50	0.70 & 0.70	1.20 & 1.20	2/A	14-12, 5-7
MT-40021	1:2CT & 1:1.36CT	1.20 & 1.20	35 & 35	0.50 & 0.80	0.80 & 0.80	1.20 & 1.00	2/B	14-12, 5-7
MT-40022	1:2CT & 1:2CT	2.00 & 2.00	45 & 45	0.60 & 0.60	0.70 & 0.70	1.20 & 1.20	2/C	14-12, 10-8
MT-40023	1CT:2CT & 1:1	1.20 & 1.20	30 & 30	0.55 & 0.50	0.70 & 0.70	1.20 & 0.70	2/D	1-3, 5-7
MT-40024	1.58:2CT & 1.58:1	0.80 & 0.80	30 & 30	0.50 & 0.50	0.60 & 0.60	0.70 & 0.30	2/E	1-3, 5-7
MT-40025	2:2CT & 2:1	0.80 & 0.80	30 & 30	0.60 & 0.60	0.50 & 0.50	0.50 & 0.20	2/E	1-3, 5-7
MT-40026	2.62:2CT & 2.62:1	1.20 & 1.20	30 & 30	0.80 & 0.80	0.60 & 0.60	0.50 & 0.30	2/E	1-3, 5-7
MT-40027	1:1 & 1CT:1	1.20 & 1.20	30 & 30	0.50 & 0.80	0.70 & 0.70	0.70 & 0.70	2/E	14-12, 5-7
MT-40033	1:1.15CT & 1:2CT	1.50 & 1.20	35 & 40	0.60 & 0.50	0.70 & 0.70	1.10 & 1.10	2/A	14-12, 5-7
MT-40034	1:1.58CT & 1:2CT	1.50 & 1.20	35 & 40	0.50 & 0.40	0.70 & 0.70	0.90 & 1.10	2/A	14-12, 5-7
MT-40037	1:1.15CT & 1:2CT	1.50 & 1.20	40 & 60	0.80 & 0.80	0.90 & 0.90	1.10 & 1.70	2/A	14-12, 5-7
MT-40038	1:1.58CT & 1:2CT	1.50 & 1.20	50 & 60	0.80 & 0.80	0.90 & 0.90	1.10 & 1.70	2/A	14-12, 5-7
MT-40039	1CT:2CT & 1:1.36CT	1.20 & 1.20	50 & 50	0.96 & 0.80	1.00 & 1.00	1.70 & 1.20	2/F	14-12, 5-7