

MT-42100 SERIES

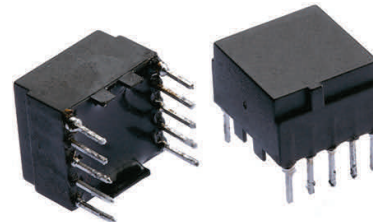
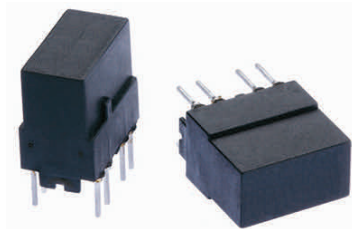
PRI Rate (S2M) Transformers for ISDN

MINNTRONIX

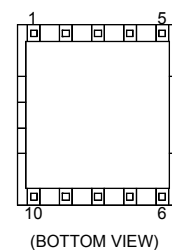
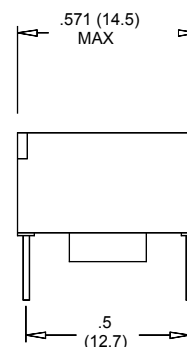
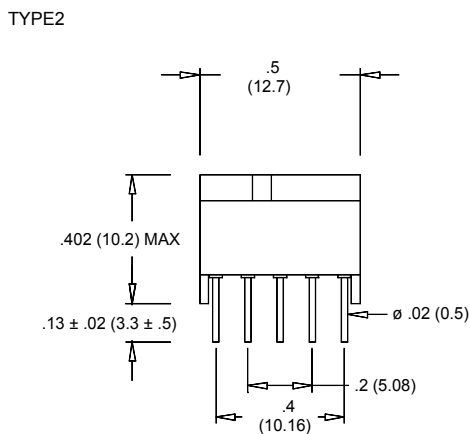
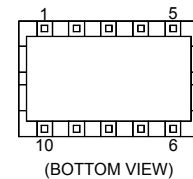
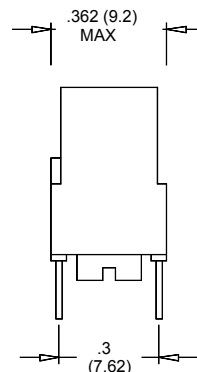
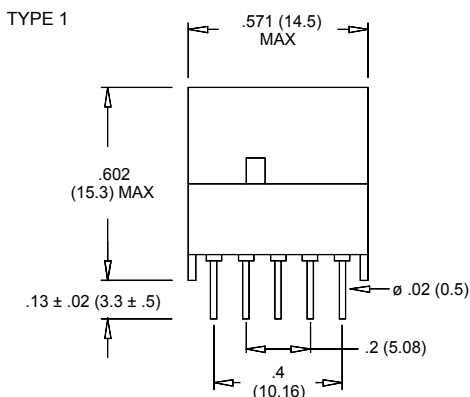
Wind Up the Best®



Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com



Mechanical Dimensions:



UNIT: Inch (mm)

MT-42100 SERIES

PRI Rate (S2M) Transformers for ISDN

MINNTRONIX

Wind Up the Best®



Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com

MT-42100 SERIES

Symbols :

Ls = Leakage Inductance of series-connected secondary windings, with primary winding shorted (at 100KHz,100mV)

Ck = Capacitance between each winding (at 10KHz,100mV)

Lh = Inductance of winding (at 10KHz,100mV)

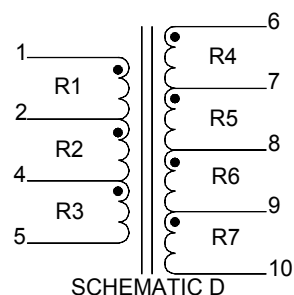
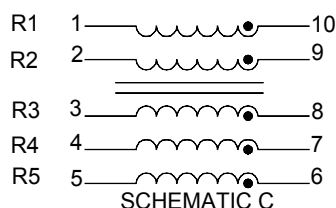
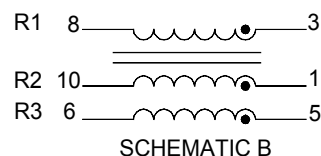
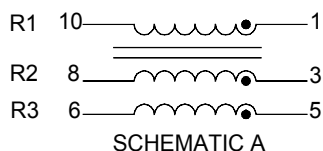
R1 = D.C. Resistance of winding (nominal value) MT-42101,MT-42102 : R1=R2 =R4=R5

R2,3 = D.C. Resistance of winding 2,3 (nominal value)

Up = Hi-Pot Test value, kVAC, 1 to 2 sec, winding 1 to winding 2+3 MT-42101

MT-42102: winding to winding

Mechanical Dimensions:



UNIT: Inch (mm)

Electrical Specifications at 25°C

Part Number	Turns Ratio (±2%)	Ls (uHy max)	Ck (pF max)	Lh (mHy min)	R1 20°C (Ohms)	R2,3 20°C (Ohms)	Up (KVrms)	Case Type	Schematic
MT-42101	1.5:1.5:1:1.5:1.5	0.4	10	0.7	0.17	0.11	2.0	2	C
MT-42102	1.5:1.5:1:1.5:1.5	0.4	10	0.7	0.17	0.11	2.0	1	C
MT-42103	2:1:1	0.5	—	2	0.3	0.15	2.0	1	A
MT-42104	5/4/1:2/8/8/2	2.0	—	2	(1)	(1)	2.0	1	D
MT-42105	4 : 1 : 1	0.25	15	12	0.7	0.25	2.0	2	B
MT-42106	4 : 1 : 1	0.25	15	12	0.7	0.25	2.0	1	A
MT-42107	2 : 1 : 1	0.2	15	2	0.3	0.15	2.0	2	B
MT-42108	2 : 1 : 1	0.2	15	2	0.3	0.15	2.0	1	A
MT-42109	1.67 : 1 : 1	0.25	15	2	0.25	0.15	2.0	2	B
MT-42110	1.67 : 1 : 1	0.25	15	2	0.25	0.15	2.0	1	A
MT-42111	2.67 : 1 : 1	0.25	15	5	0.4	0.15	2.0	2	B
MT-42112	2.67 : 1 : 1	0.25	15	5	0.4	0.15	2.0	1	A

Remarks: (1)R1=75mohms, R2=60mohms, R3=24mohms, R4 & R7=80mohms, R5 & R6=220mohms (nominal value)

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