

MT-42000^{SERIES}

U-Interface Transformers for ISDN

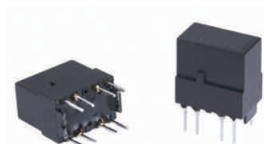
MINNTRONIX

Wind Up the Best®

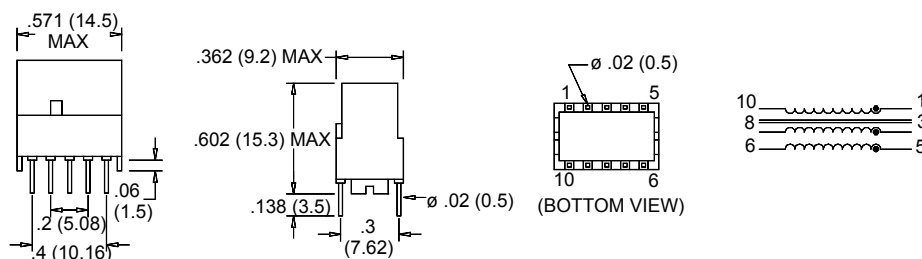


Phone: 1.605.884.0195
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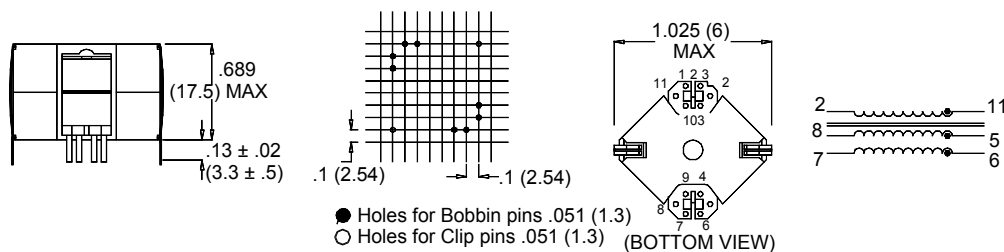
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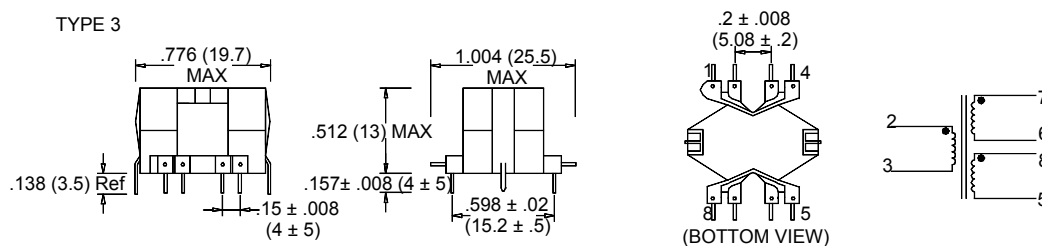
TYPE 1



TYPE 2



TYPE 3



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Symbols

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

Ck = Capacitance between primary and secondary windings (10KHz, 100mV)

Lh = Inductance of secondary windings connected in series (10KHz, 100mV)
MT-42001 & MT-42002 measured at rated Idc

R1 = D.C. Resistance of individual primary winding (nominal value)

R2,3 = D.C. Resistance of individual secondary windings (nominal value)

Up = Hi-Pot test value VAC, primary to secondary

Electrical Specifications at 25°C

Part Number	Turns Ratio (±2%)	Idc (mA)	Ls (uHy max)	Ck (pF max)	Lh (mHy)	R1 20°C (ohms)	R2, R3 20°C (ohms)	Up (KVrms)	Type
MT-42001	1:0.66:0.66	40	9	120	6.6±10%	4.0	3.0 (2)	2.0	1
MT-42002	1:0.66:0.66	60	9	150	6.35±12%	3.5	2.4	2.0	1
MT-42003	1:0.66:0.66	60	55	60	14.5±10%	1.8	2.7 (2)	2.0	2
MT-42004	1:0.66:0.66	60	50	75	7.9±10%	1.3	1.9 (2)	2.0	2
MT-42005	1:0.8:0.8	60	90	80	14.5±10%	2.7	2.8 (2)	2.0	2
MT-42006	1:1.25:1.25	60	100	100	14.5±10%	2.7	1.8 (1) (2)	2.0	2
MT-42007	1:0.75:0.75	80	50	—	27±10%	5.5 max	9 max	2.0	2
MT-42008	1:0.75:0.75	30	160	—	80±10%	11.8 max	13.8 max	2.0	2
MT-42009	1:1:1	80	200	300	27±10%	4 max	6 max	2.0	2
MT-42010	1:0.625:0.625	80	60	—	28±10%	5 max	11 max	2.0	2
MT-42011	1:1:1	50	60	90	15±10%	3.05	6.5 (2)	2.0	3