

MT-42050 SERIES

U-Interface Transformers for ISDN

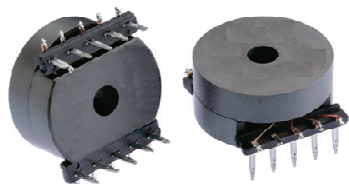
MINNTRONIX

Wind Up the Best®



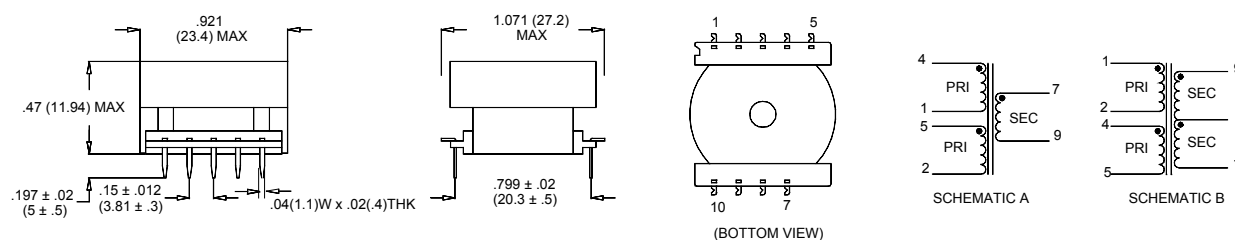
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MT-42050 SERIES



- Meets UL 1459 and 1950
- Meets ANSI TI.601 and ETSI ETR080 standards

Mechanical Dimensions:



UNIT: Inch (mm)

Specifications	MT-42051	MT-42052	MT-42053	MT-42054	Unit
Reflects on PRI =	135	135	135	135	ohms
Reflects on SEC=	30	30	31.6	75	
DC Resistance 20°C PRI max	10.0 series	10.0 series	5.26 series	8 series	ohms
SEC max	3.0	1.6	1.3	12 series	
Frequency Response 2KHz to 200KHz	±0.5	—	—	±0.10	dB
Insertion Loss at 10KHz 25°C	3.5	—	—	—	dB
Return Loss vs. 135 ohms at 10KHz to 25KHz	20 min	20 min	—	30 typ.	dB
Dielectric Test PRI-SEC	1100	1100	1100	1500	VAC
Direct Current PRI max	60	20	60	60	mA DC
Longitudinal Balance 281Hz to 40KHz	—	55 min	—	—	dB
Turns Ratio PRI:SEC ±2%	1.5:1	1.5:1	2:1	1.25:1	—
Total Harmonic Dist 500Hz 5Vp-p	-53.5 typ	-45 typ	—	—	dB
Inductance 1 KHz on PRI	27 ± 5%	27 ± 5%	—	26.5 - 30.0	mHy
10KHz on PRI	—	—	25±10%	26.5 - 30.0	mHy
Leakage Inductance 10KHz	—	33.5 typ.	17 max	—	uHy
100KHz	—		—	—	
Interwinding Capacitance 10KHz	—	—	—	150 typ.	pF
Schematic	A	A	A	B	—

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