

MT-46000 SERIES

DDS Pulse Transformers

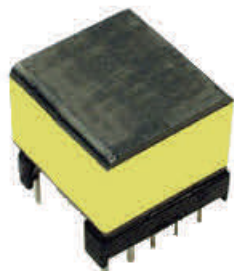
MINNTRONIX

Wind Up the Best®



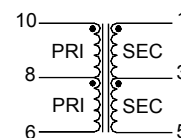
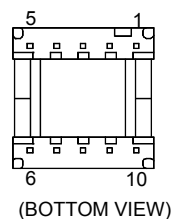
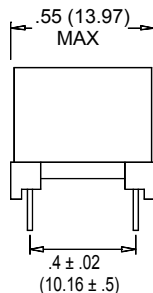
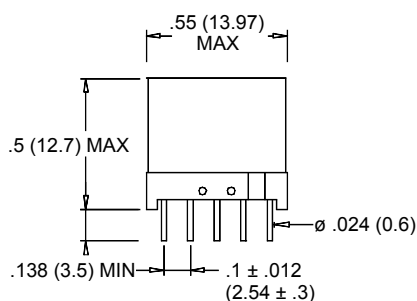
Phone: 1.605.884.0195
Fax: 1.605.884.0199
www.minntronix.com

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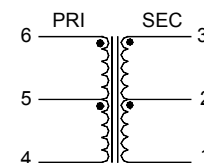
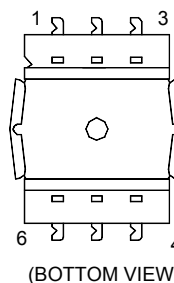
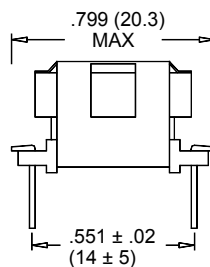
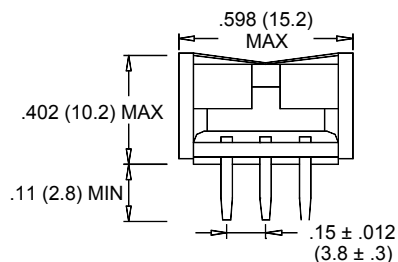


Mechanical Dimensions:

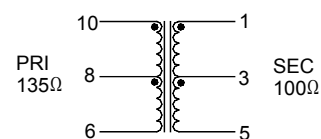
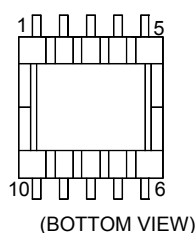
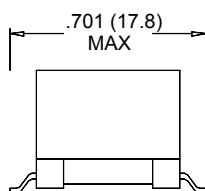
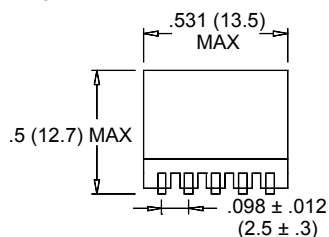
TYPE 1



TYPE 2



TYPE 3



UNIT: Inch(mm)

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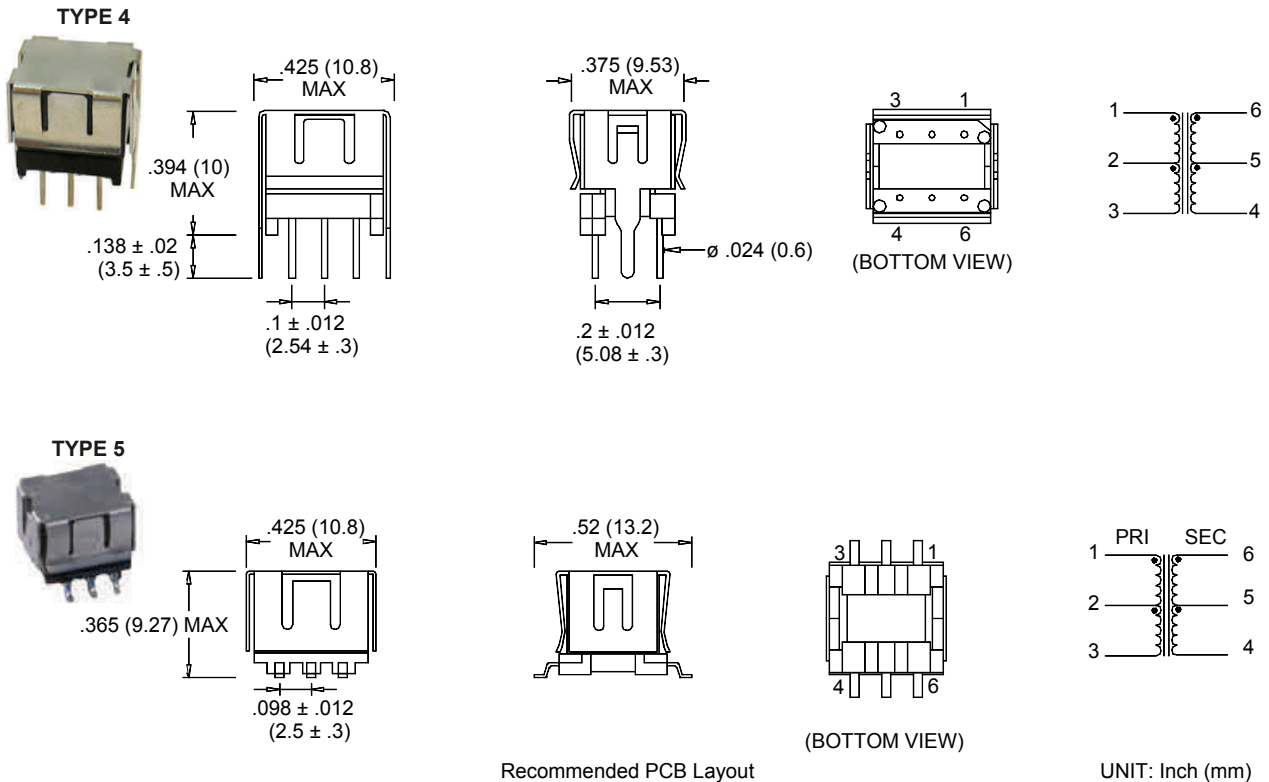
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Specifications	MT-46001	MT-46002	MT-46003	MT-46004	MT-46005	MT-46006	MT-46007	Unit
Reflects on PRI =	135	135	135	135	135	135	135	ohms
Reflects on SEC=	100	100	100	100	100	100	100	ohms
Longitudinal Balance, 200-1KHz, min. 1K-15KHz, min. 15K-100kHz, min.	60 40	40 35	40 35	40 35	40 35	40 35	40 35	dB
DC Resistance 20° C PRI±10% SEC±10%	16.0-19.5 16.0-19.5	9.28 9.28	9.28 9.28	5.12 6.00	5.10 6.00	2.64 5.37	2.64 5.37	ohms
Insertion Loss 10KHz	1.25/±0.25	1.0 max	1.0 max	—	—	—	—	dB
Return Loss 100Hz - 100KHz	15 typ.	15 typ.	15 typ.	—	—	—	—	dB
1KHz	32 typ.	32 typ.	—	—	—	—	—	dB
Dielectric Test PRI-SEC	1250	1875	1875	1250	1250	1875	1875	VAC
Turns Ratio (PRI: SEC) ±2%	1:1	1:1	1:1	1:1	1:1	1:1	1:1	—
Inductance, 1KHz, 1.0V min	200	200	200	40	40	40	40	mHy
Leakage Inductance 10KHz, 0.5V, max	22-43	60	60	40	40	40	40	uHy
Interwinding Capacitance, 10KHz	45 ref	—	—	—	—	—	—	pF
Frequency Response, 100Hz-112KHz 200Hz-112KHz	±1.0	±1.0	±1.0	—	—	—	—	dB
Type	2	1	3	4	5	3	1	—

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