

ISDN S-Interface Transformers

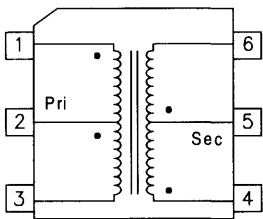
Meets the Pulse Waveform Template of CCITT I.430 when recommended Transformer and Chip pair are used.

Excellent Longitudinal Balance $2kV_{RMS}$ & $4kV_{RMS}$ min. Isolation

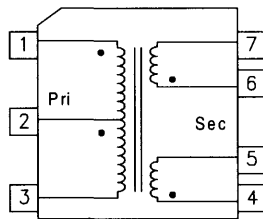
Electrical Specifications ^{1,2,3,4} at 25°C

Isolation (Min.)		Turns Ratio (± 2%)	OCL min. Pri (mH)	L _i max. Sec. (μH)	C _{w/w} max. (pF)	CD pri. max. (pF)	DCR Pri. ± 15% (Ω)	DCR Sec. ± 15% (Ω)	Schem. Style
2000 V _{RMS} Part. No.	4000 V _{RMS} Part. No.								
T-10400	T-10450	1:1	22	5	100	40	2.4	2.4	A
T-10401	T-10451	1:1.8	22	15	100	140	2.5	4.2	B
T-10402	T-10452	1:2	22	15	100	80	2.3	4.0	A
T-10403	T-10453	1:2.5	22	30	100	150	2.5	5.8	B
T-10404	T-10454	1:2.5	22	15 / 40	100	110	2.5	5.8	C
T-10405	T-10455	1:2	22	11	100	180	2.5	5.0	A

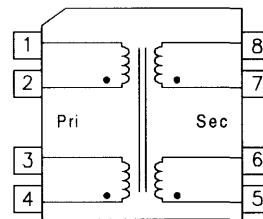
Schematic "A"



Schematic "B"

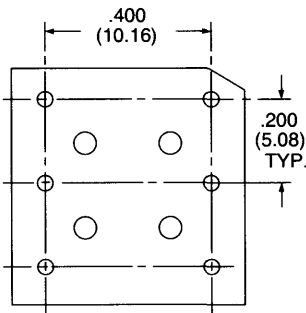


Schematic "C"

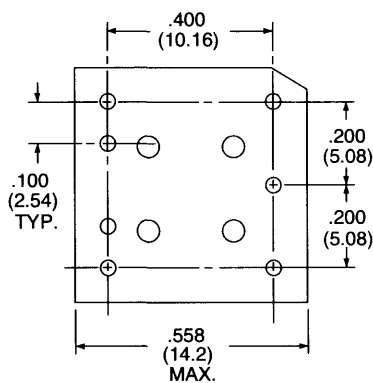


1. Primary is Line Side
2. OCL: Primary Inductance @ 10 kHz and 700 mV
3. Unbalanced current at TE: Δ I_{dc} = 1 mA max.
4. Longitudinal Conversion Loss 10KHz to 300 KHz 60dB min.

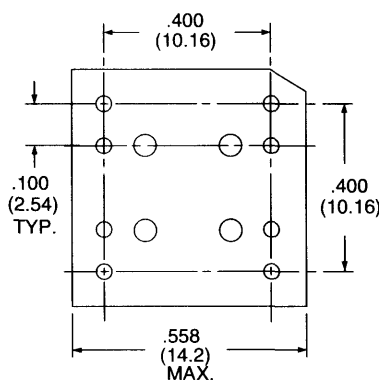
6-Pin Bottom View



7-Pin Bottom View

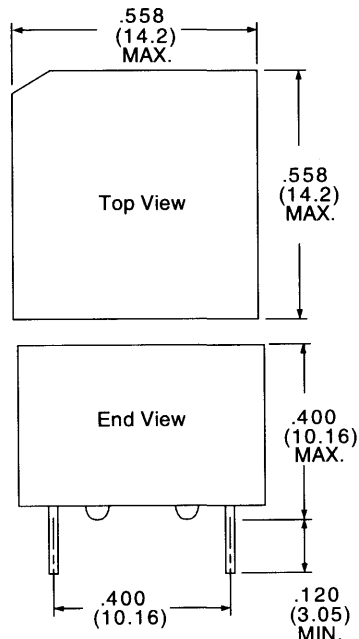


8-Pin Bottom View

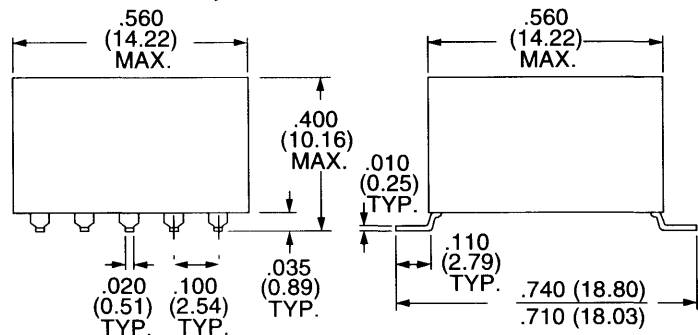


Available as Surface Mount components:
For Surface Mount part number replace the second digit of thru hole part number with "3".
(i.e. T-10400 = T-13400)

Note: Leads are #22 AWG Solderable
Unused Pins Omitted as per Schematic Diagrams



Surface Mount Package, T-134XX Tape and Reel Available



For complete details including downloadable PDF catalogs and data sheets please visit www.rhombus-ind.com

Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

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