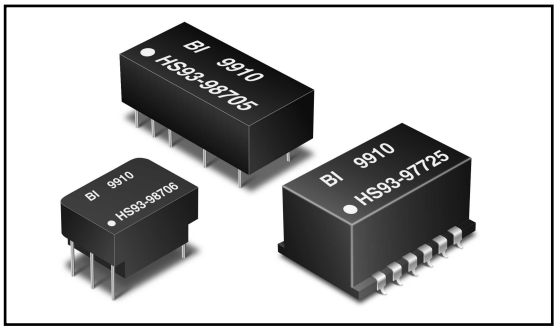
MODEL HS93 SERIES

T1/CEPT/ISDN

Transformers

NEW PRODUCT



FEATURES AND BENEFITS

- Available in through-hole and surface mount packages
- Designed for 1.544 Mbp/s (T1), 2.048 Mbps (CEPT) and ISDN primary rate interface (PRI) applications
- Dual package contains both transmit and receive transformers
- 2000 V rms dielectric withstanding voltage
- Models matched to leading tranceiver ICs

ELECTRICAL @ 25°C

Part Number	Turns Ratio Primary:Secondary ±3% (1)	OCL mH Min.	L_L µH Max.	Cww pF Max.	Primary DCR Ω Max.	Secondary DCR Ω Max.	Primary Pins
HS93-98706	1:1:1	1.2	0.5	25	0.70	0.70 & 0.70	5-6
HS93-98705	1:2 ct & 1:1.36	1.2 & 1.2	0.5 & 0.8	35 & 35	0.8 & 0.8	1.2 & 1.0	14-12 & 5-7
HS93-97725	1 ct:2 ct & 1 ct:2 ct	1.2 & 1.2	0.6 & 0.6	35 & 35	0.7 & 0.7	1.2 & 1.2	12-10 & 4-6
HS93-97727 (1)	1:2 & 1:2	22 & 22	11 & 11	100 & 100	2.4 & 2.4	4.4 & 4.4	1-4 & 5-8

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ENVIRONMENTAL

Operating Temperature Range	0°C to +70°C

MECHANICAL

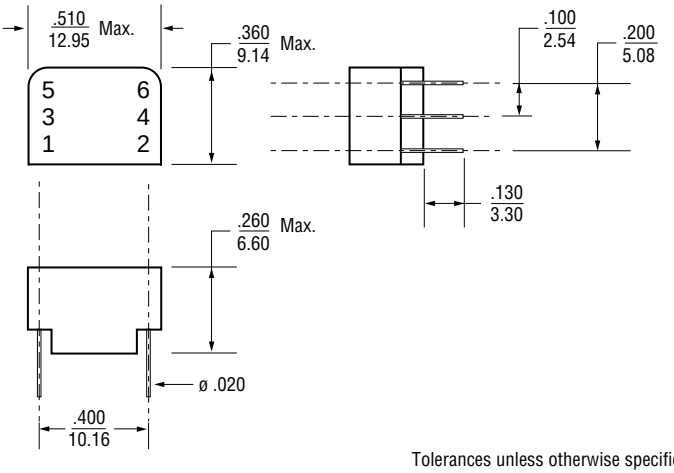
Type	Through Hole	Surface Mount
Lead Plating	60/40 Tin Lead	85/15 Tin Lead
Lead Material	Copper Alloy	Copper Alloy 42
Lead Configuration	N/A	Gull Wing
Lead Coplanarity	N/A	0.004" (0.102mm)
Case Material, UL-94V-0 Rated	Molded Dap	Molded Epoxy

Specifications subject to change without notice.

Note: (1) Turns ratio based on the shorting of pins 2-3, 6-7, 10-11 & 14-15.

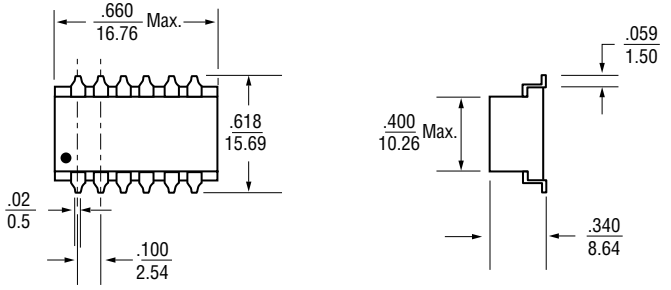
OUTLINE DIMENSIONS (Inch/mm)

Model HS93-98706

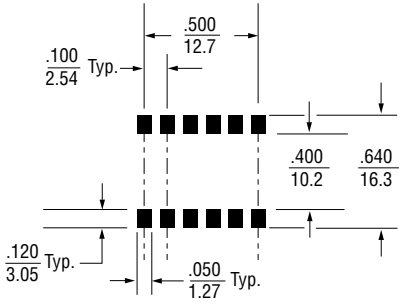


Tolerances unless otherwise specified ±.005" (.127mm).

Model HS93-97725



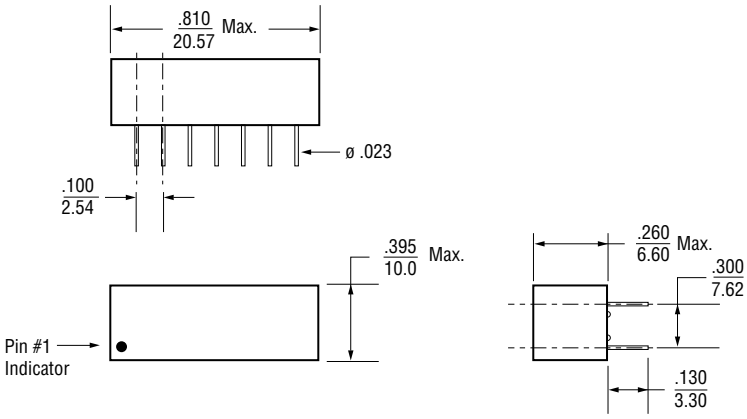
Recommended Pad Layout



Tolerances unless otherwise specified ±.005" (.127mm).

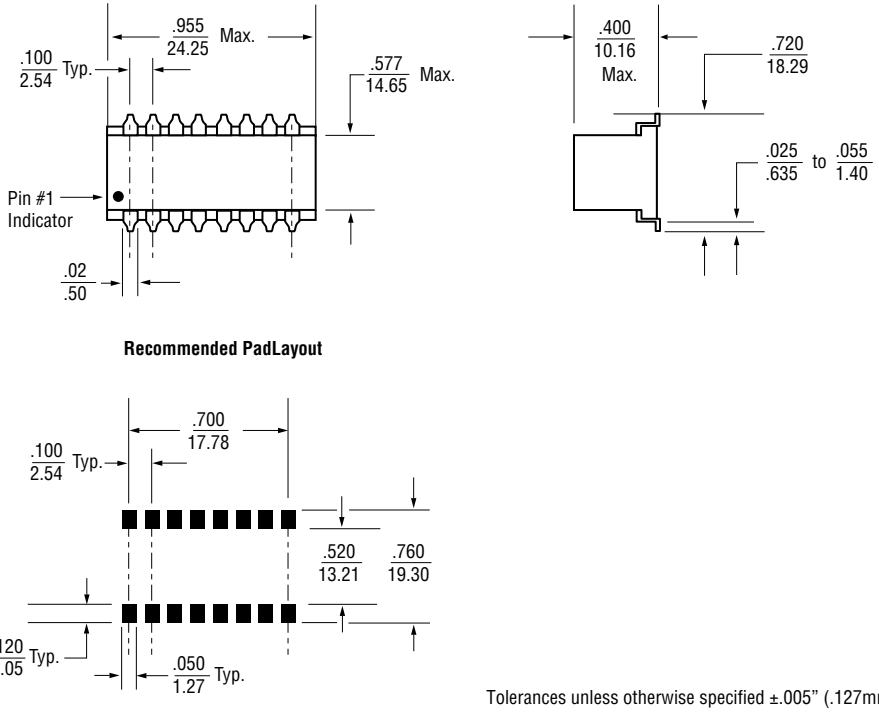
OUTLINE DIMENSIONS (Inch/mm)

Model HS93-98705



Tolerances unless otherwise specified ±.005" (.127mm).

Model HS93-97727

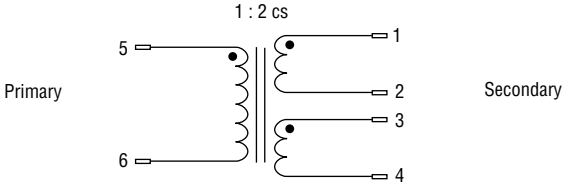


Tolerances unless otherwise specified ±.005" (.127mm).

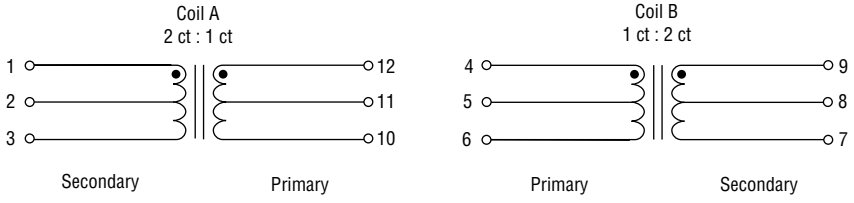
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SCHEMATICS

Model HS93-98706

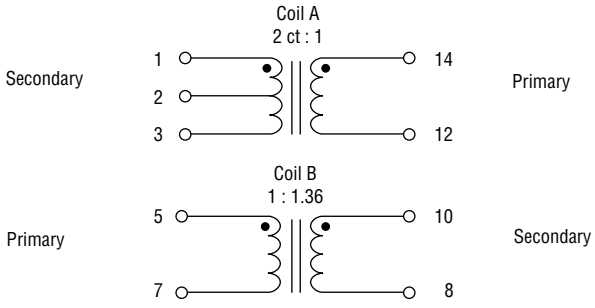


Model HS93-97725

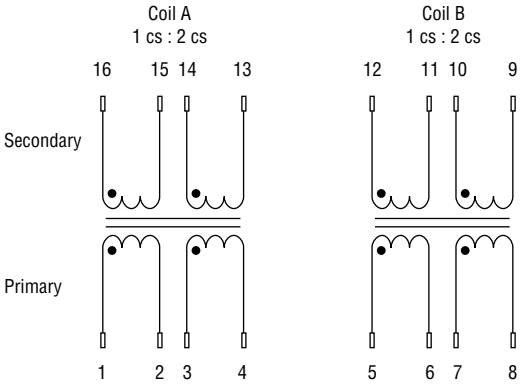


SCHEMATICS

Model HS93-98705



Model HS93-97727



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PACKAGING

Standard: Tubes

Magazine	Capacity	HS93-98706	=	55 Units
		HS93-98705	=	24 Units
		HS93-97725	=	28 Units
		HS93-97727	=	20 Units

Option: Tape & Reel

Reel	Diameter		=	13”(330mm)
	Capacity	HS93-97725	=	420 Units
		HS93-97727	=	350 Units

ORDERING INFORMATION

