

# ISDN MAGNETICS

## Dual S Interface Transformers

TM9937

- Meet requirements for pulse template and impedance template according to ITU-T (CCITT I.430)
- UL and CSA approved
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating temperature range 0° C to 85° C
- Qualified per Bellcore TR-TSY-000357-1

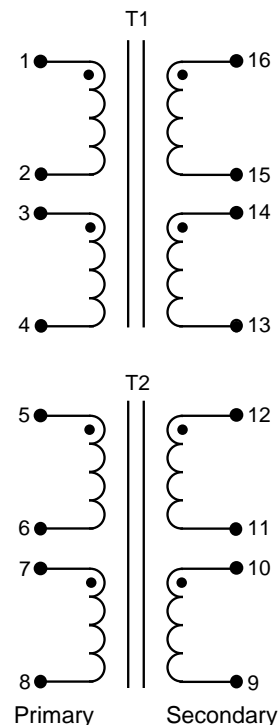
### ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ± 2%	Primary Inductance mH min	Leakage Inductance µH max	DCR Ω max		Interwinding Capacitance pF max	Distributed Parallel Capacitance pF max
				Pri	Sec		
2798A	1.0 : 2.5	22.0	5.0	3.5	7.5	100	100
2798B	1.0 : 2.0	22.0	5.0	3.5	6.0	100	100
2798C	1.0 : 2.0	22.0	3.75	2.25	4.45	100	80
2798D	1.0 : 2.0	22.0	2.5	3.5	6.0	100	100
2798E	1.0 : 1.0	22.0	5.0	3.5	3.5	100	40

Part Number	Compatible Transceiver ICs	
	IC Manufacturer	IC Part Number
2798A	Lucent	T7250C T7256 T7234
2798B	Lucent	T7901 T7903
2798C	Siemens	PEB2081 PEB2085 PEB2086
	Mitel	MT8930
	National Semiconductor	TP3420 TP3421
2798D	AMD	79C30A 79C32A
2798E	Motorola	MC145474 MC145475

### SCHEMATIC

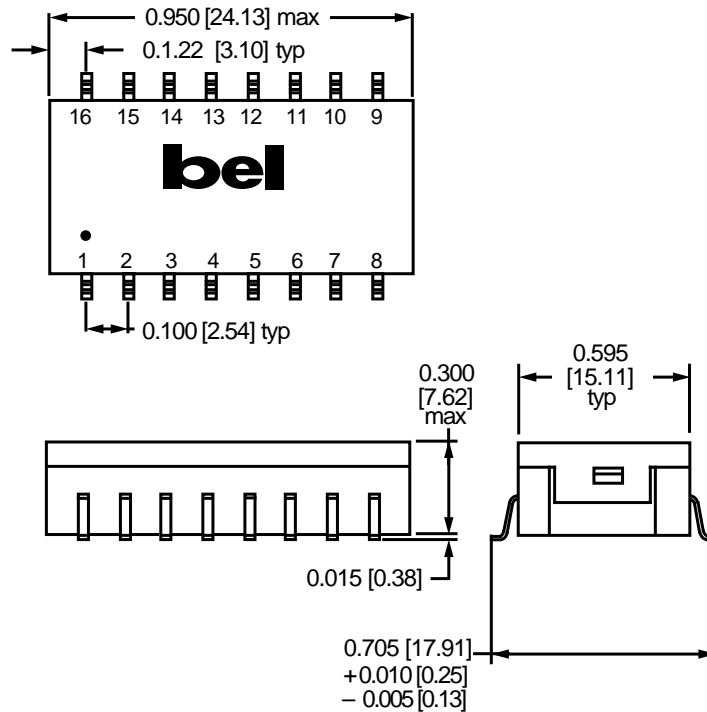
2798A  
2798B  
2798C  
2798D  
2798E



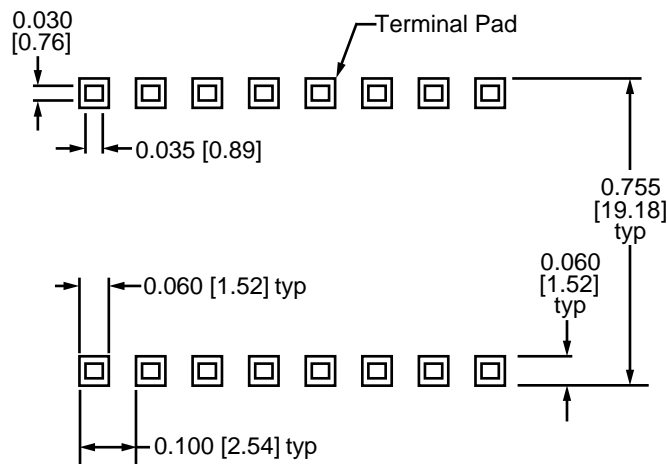
TM9937

### MECHANICAL

2798A  
2798B  
2798C  
2798D  
2798E



Note: Unless otherwise specified, dimensions are nominal and in inches [millimeters].



Suggested PCB Pad Layout

Tape and reel packaging: 400 parts/reel

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