

T1/CEPT/ISDN-PRI TRANSFORMER S559-6400-00

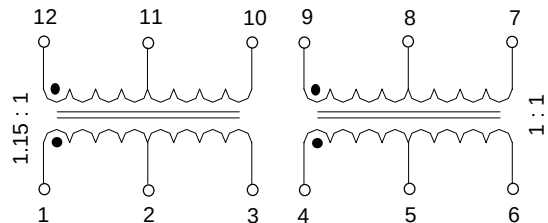
TM0003

Bel offers a dual, T1, surface mount transformer packaged to provide both transmit and receive transformers. This design is easily customized for other leading transceiver chips by adjusting the turns ratio.

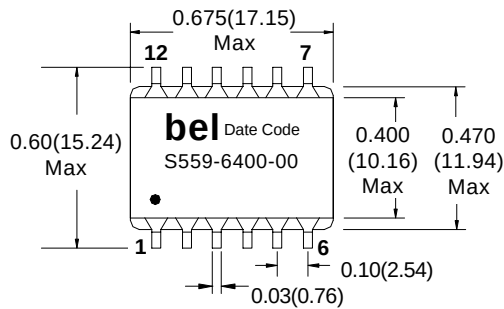
* Dielectric Strength 1500 VAC.

* Temperature Range is
-40°C to 85°C.

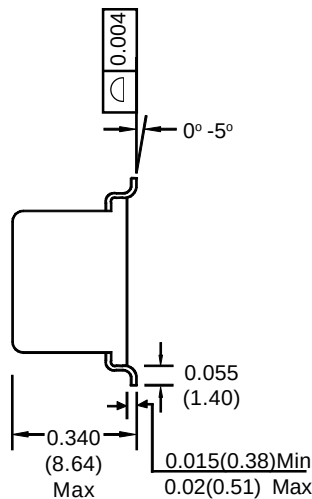
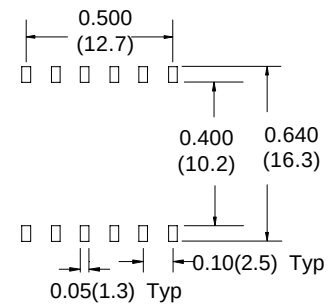
SCHEMATIC



MECHANICALS



SUGGESTED PAD LAYOUT



ELECTRICALS @ 25° C

Part Number	Turns Ratio +/- 5%	
	Pins (10-12):(1-3)	Pins (4-6):(7-9)
S559-6400-00	1CT:1.15CT	1CT:1CT

All dimensions are in inches(mm).
Dimension Tolerance is +/-0.01(0.25)
unless otherwise specified.

Part Number	Primary Inductance OCL (mH) Min	Leakage Inductance L _L (μH) Max	Interwinding Capacitance (pF) Max	DCR (ohms) Max				Dielectric Strength (VAC)
	Pins (4-6) and Pins (10-12)	Pins (4-6) and Pins (10-12)	Pins (1,2,3) to Pins (10,11,12) and Pins (4,5,6) to Pins (7,8,9)	Pins (1-3)	Pins (4-6)	Pins (7-9)	Pins (10-12)	
S559-6400-00	1.5	0.8	60	1.1	1.0	1.0	1.0	1500

Dielectric Strength is measured Pins (1,2,3) to Pins (10,11,12) and Pins (4,5,6) to Pins (7,8,9).

Primary Inductance, Leakage Inductance, and Interwinding Capacitance are measured at 100KHz, 0.02VAC.

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