

T3 Interface Transformers

For T3, DS3, E3 & STS-1 Interfaces

Complies with CCITT G.703

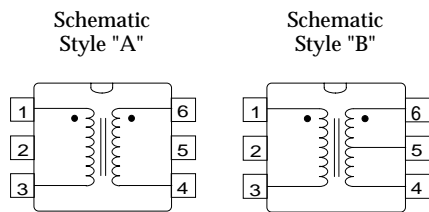
Matched to Leading I.C. Manufacturers

Isolation 1500V_{RMS} minimum

Rise Times Compatible with Standards

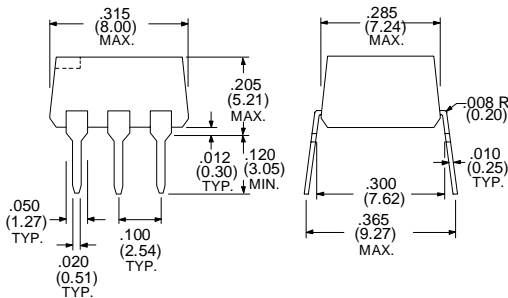
Available as SMD or Thru-hole package styles

Operating Temp. Range: -40°C to +85°C

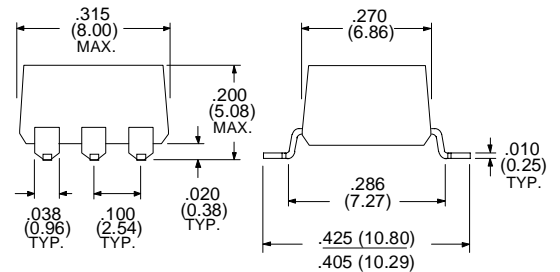


Dimensions in Inches (mm)

6-Pin DIP: T-13102 & T-13103



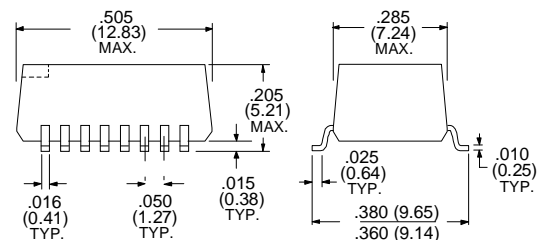
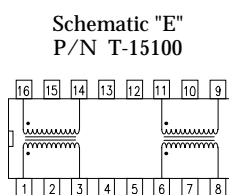
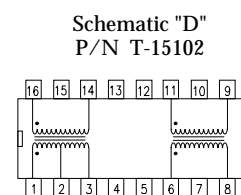
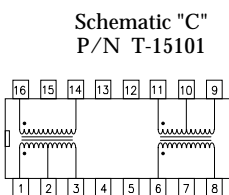
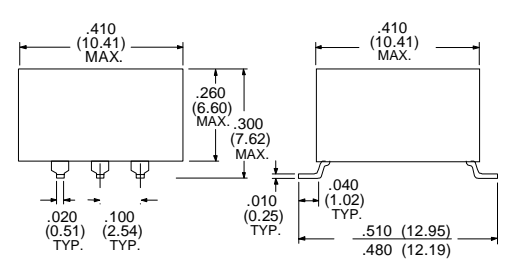
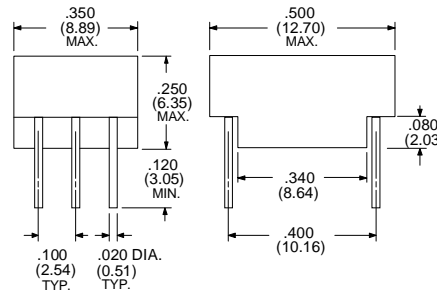
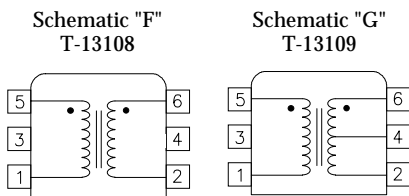
6-Pin SMD:
T-13100
T-13101
T-13104
& T-13105



SMD versions available on Tape & Reel

T6 : T-13108 & T-13109

G6 : T-13108G & T-13109G



I.C. / Transformer Cross Reference

I.C. Manuf. Name	I.C. Part Number	Single Configuration - SMD		Single Configuration - DIP	
		Transmit	Receive	Transmit	Receive
AT&T	T7296	T-13100	--	T-13103	--
Exar	XR-T7296	T-13100	--	T-13103	--
Silicon Sys.	SSI 78P236 DS3	T-13101	T-13100	T-13102	T-13103
Silicon Sys.	SSI 78P7200 DS3	T-13101	T-13100	T-13102	T-13103
Silicon Sys.	SSI 78P2361 STS1	T-13101	T-13100	T-13102	T-13103
Silicon Sys.	SSI 78P2362 E3	T-13101	T-13100	T-13102	T-13103
Transwitch	MRT, TXC-02050 E3	T-13101	T-13100	T-13102	T-13103
Transwitch	MRT, TXC-02020 DS3/STS1	T-13100	T-13100	T-13103	T-13103

Electrical Specifications at 25°C

Part Number	Turns Ratio	OCL min. (μH)	L _L max. Sec. (μH)	Cw/w max. (pF)	Package	Schem. Style	Primary Pins
T-13100	1:1	40	0.14	15	6 Pin SMD	A	1-3
T-13101	1:2CT	19	0.14	15	6 Pin SMD	B	1-3
T-13102	1:2CT	19	0.14	15	6 Pin Dip	B	1-3
T-13103	1:1	40	0.14	15	6 Pin Dip	A	1-3
T-13104	1:2CT	40	0.14	15	6 Pin SMD	B	1-3
T-13105	1:1	45	0.12	13	6 Pin SMD	A	1-3
T-13107	1:1.73CT	50	0.10	12	6 Pin Dip	B	1-3
T-13108(G) ⁽²⁾	1:1	40	0.10	5	T6 Dip or SMD	F	1-5
T-13109(G) ⁽²⁾	1:2CT	19	0.06	10	T6 Dip or SMD	G	1-5
T-15100	1:1&1:1	40	0.14	15	16-Pin SMD	E	1-3/9-11
T-15101	1:2CT&1:2CT	19	0.14	15	16-Pin SMD	C	14-16/6-8
T-15102	1:2CT&1:1	19/40	0.14	15	16-Pin SMD	D	14-16/6-8

1. The 3 dB Bandwidth is 200kHz - 280MHz typical, tested in a 75 ohm system.

2. Reinforced Insulation (3000 V_{RMS})