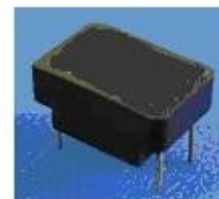




# ICI50T SERIES T1 Carrier Interface Transformer



## FEATURES:

## TEST CONDITIONS:

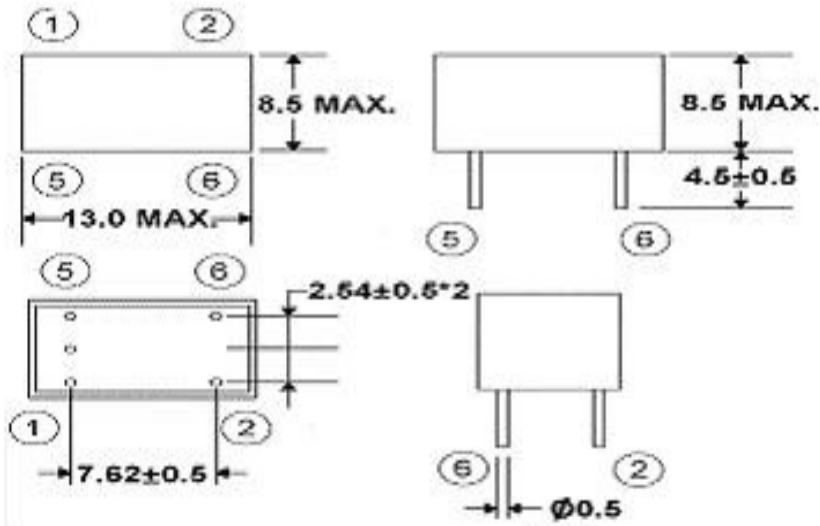
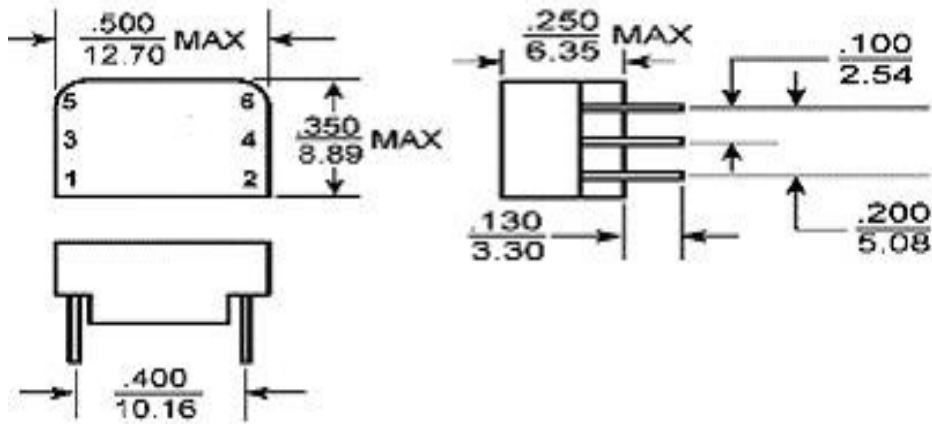
Inductance.....100Khz/200mV  
Leakage Inductance.....100Khz/200mV  
Interwinding Capacitance...100Khz/200mV

**For T1/CEPT TELECOM APPLICATIONS**  
**Provide 1500Vrms Isolation**  
**Compact Single and Dual Packages**  
**Designed to meet CCITT 7 & FCC**  
**Recognized by UL 1950**

Electrical Specifications @ 25C

Part Number	Turns Ratio	OCL Pri	LL	CW/W	DCR Pri	DCR Sec	Prim. Pins
ICI50T-1221B	1:1:1(1.2CS)	1.20	0.50	25	0.70	0.70 & 0.70	1-2
ICI50T-1221D	1CT:3CT	1.20	0.50	30	0.70	1.60	1-5
ICI50T-1221A	1:1	1.20	0.50	25	0.70	0.70	1-2
ICI50T-1221C	1CT:1	1.20	0.80	25	0.70	0.70	1-5
ICI50T-1222A	1:1.36	1.20	0.80	35	0.70	0.80	5-6
ICI50T-3012B	1:25CS(1:1:1.58)	0.30	0.60	30	0.80	0.60	1-4
ICI50T-8013B	ICS:1	0.80	0.60	30	0.80	0.60	1-4
ICI50T-8014B	1CS:1.31	0.80	0.40	30	0.80	0.60	1-4
ICI50T-1122D	ICT:2CT	1.20	0.55	30	0.70	1.20	1-5
ICI50T-1222C	1:2CT	1.20	0.50	40	0.70	1.30	2-6
ICI50T-5011E	1:4CT	0.50	1.00	40	0.50	1.50	1-5
ICI50T-1222E	1:1.14CT	1.20	0.80	35	0.70	0.90	2-6
ICI50T-1523C	1:1.15CT	1.50	0.60	35	0.70	0.90	2-6
ICI50T-1524C	1:1/1.26	1.50	0.40	40	0.70	0.90	2-6
ICI50T-1222D	1CT:2CT	1.20	0.50	30	0.70	1.20	1-5
ICI50T-1223E	1:2.3CT	1.20	0.80	35	0.70	0.90	1-5
ICI50T-1224E	1:1.36CT	1.20	0.80	35	0.70	0.90	1-5
ICI50T-1223D	1CT:1CT	1.20	0.80	25	0.80	0.80	1-5
ICI50T-7011C	1CT:1	0.70	0.70	20	0.20	0.80	1-5
ICI50T-7014E	1:1.36CT	0.70	0.70	20	0.50	0.40	1-5
ICI50T-1225C	1:1.5CT	1.20	0.60	30	0.70	1.00	2-6
ICI50T-1224D	1:126CT	1.20	0.80	60	0.90	1.00	2-6
ICI50T-1222AT	1:1.36	1.20	0.80	35	0.90	1.20	5-6
ICI50T-1523CT	1:1.15CT	1.50	0.80	40	0.90	1.00	2-6
ICI50T-1222DT	1CT:2CT	1.20	0.60	50	1.00	2.00	2-6
ICI50T-1224DT	1CT:1CT	1.20	1.00	40	1.00	1.00	1-5
ICI50T-1225DT	1CT:3CT	1.20	0.80	60	0.90	2.70	1-5
ICI50T-1524CT	1:1/1.26	1.50	0.80	50	0.90	1.10	2-6

## ICI50T SERIES T1 Carrier Interface Transformer



Note:  
Leads are 24 AWG solderable.  
Unused pins not provided.

Dimensions: Inches/mm  
Unless otherwise specified, all tolerances are  $\pm 0.010 / \pm 0.25$

### MARKINGS AND DIMENSIONS

#### ELECTRICAL SPECIFICATIONS@25°C

Turn Ratio( $\pm 5\%$ ): 1:1.36  
 Pri Inductance(100KHz/0.2V): 1.2mH MIN  
 Pri LL(100KHz/0.2V): 0.8uH MAX  
 Cw/w(100KHz/0.2V): 35pF MAX  
 Pri DCR: 0.7 $\Omega$  MAX  
 Sec DCR: 0.8 $\Omega$  MAX  
 HI-POT: 1500Vrms/0.5mA/2Sec  
 Operating Temperature: 0°C TO +70°C  
 RoHS compliance: YES

