

## 53T - SERIES T1/CEPT/ISDN-PRI TRANSFORMERS

### FEATURES

- Small surface mount package
- Dual SMT package contains both transmit and receive transformers
- Models matched to transceiver ICs.
- Isolation voltage: 1500 Vrms.
- Recognized by UL 1950



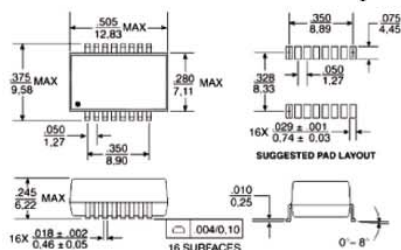
### ELECTRICAL SPECIFICATIONS @250°C 0°C to 70°C

Part Number		Turns Ratio Pri:Sec ±5%)	OCL (mH) Min	C <sub>w/w</sub> (pF) Max	LL (μH) Max	DCR PRI (Ω) Max	DCR SEC (Ω) Max	Schem.	Primary Pins
STD Temp.	Ext Temp.								
53T-1221A	53T-1221AC	1CT:2CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	1.40&1.40	A	16-14,6-8
53T-1222B	53T-1222BC	1CT:2CT&1CT:1.36CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	1.00&0.80	B	16-14,6-8
53T-1223C	53T-1223CC	1:1.15CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	0.70&1.00	C	16-14,6-8
53T-1224C	53T-1224CC	1:1/1.26CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	0.80&1.00	C	16-14,6-8
53T-1225A	53T-1225AC	1CT:1.15CT&1CT:1.15CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	0.75&0.75	A	1-3,6-8
53T-1223A	53T-1223AC	1CT:1CT&1CT:1.15CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	0.70&1.00	A	16-14,6-8
53T-1226A	53T-1226AC	1CT:1CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	0.70&1.00	A	16-14,6-8
53T-1027A	53T-1027AC	1CT:1.41CT&1CT:1.41CT	1.00&1.00	30&30	.60 & .60	0.70&0.70	0.90&0.90	A	16-14,11-9
53T-1028A	53T-1028AC	1CT:1.41CT&1CT:1.41CT	1.00&1.00	30&30	.60 & .60	0.70&0.70	0.90&0.90	A	1-3,11-9
53T-1024A	53T-1024AC	1CT:1CT&1CT:2.4CT	1.00&1.00	30&30	.80 & .80	0.85&0.85	0.85&1.50	A	9-11,1-3
53T-1022A	53T-1022AC	1CT:1CT&1CT:1.67CT	1.00&1.00	25&25	.80 & .80	0.80&0.80	0.80&0.80	A	6-8,14-16
53T-1229A	53T-1229AC	1CT:2.42CT&1CT:2.42CT	1.20&1.20	25&25	.60 & .60	0.70&0.70	1.20&1.20	A	1-3,6-8
53T-122AA	—	1CT:1CT&1CT:1.36CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	—	A	6-8,1-3
53T-152BA	—	1CT:1.5CT&1CT:1.5CT	1.50&1.50	40&40	.80 & .80	0.70&0.70	—	A	1-3,6-8
53T-122CA	—	1CT:2CT&1CT:2.3CT	1.20&1.20	40&40	.80 & .80	0.70&0.70	—	A	6-8,14-16
53T-15210A	—	2CT:1/1.26&2CT:1/1.26	1.50&1.50	40&40	.50 & .50	0.70&0.70	—	A	1-3,11-9
53T-1521T	—	2CS:1.57/2&2CS:1.57/2	1.50&1.50	40&40	.50 & .50	0.70&0.70	—	T	1-2,5-6
53T-122FA	—	1CT:1CT&1CT:1.36CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	—	A	16-14,6-8
—	53T-1021HC	1:2/2.4&1:0.79/1	1.00&1.00	35&35	1.0 & 1.0	0.80&0.80	—	I	1-3,6-8
53T-122GA	—	1CT:2.4CT&1CT:2.4CT	1.20&1.20	15&15	.30 & .30	0.30&0.30	—	A	1-3,6-8
—	53T-1221VC	1:2CT&1:2CS	1.20&1.20	35&35	.50 & 1.0	1.00&1.00	—	V	1-3,11-9
—	53T-1221JC	1:1.36CT&1:2CT	1.20&1.20	30&30	.60 & .60	1.00&1.00	—	J	16-14,6-8
—	53T-122HAC	1CT:2CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	—	A	1-3,6-8
—	53T-1221QC	1CT:2CT&1:1	1.20&1.20	30&30	.60 & .60	0.70&0.70	—	Q	1-3,6-8
—	53T-1221AC	1CT:2CT&1CT:2.42CT	1.20&1.20	35&35	.80 & .80	1.00&1.00	—	A	1-3,6-8
—	53T-1221AC	1CT:1CT&1CT:1CT	1.20&1.20	30&30	.80 & .80	0.70&0.70	—	A	1-3,6-8
—	53T-1221TC	1CT:1:0.8&1CT:1:0.8	1.20&1.20	30&30	.80 & .80	1.00&1.00	—	T	16-14,11-9
—	53T-1221WC	1CT:1.58:2&1:1.65:2	1.20&1.20	30&30	.80 & .80	1.00&1.00	—	W	2-4,6-7
—	53T-1222TC	1CT:1:1&1CT:1:1	1.20&1.20	30&30	.80 & .80	1.00&1.00	—	T	16-14,11-9

**NOTE: Standard (STD) operating temperature range is 0°C to 70°C. Extended (EXT) operating temperature range is -40°C to 85°C.**

### MARKINGS AND DIMENSIONS

Dimensions: inches/mm unless otherwise specified, all tolerances are ±.010/±0.25



### SCHEMATICS

