

**TRANSFORMER
(T1/CEPT/ISDN)**

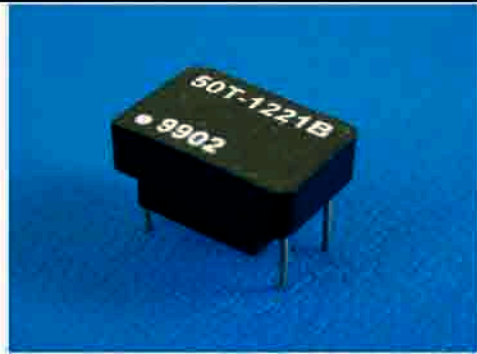
FEATURES

- FOR T1/CEPT TELECOM APPLICATIONS
- PROVIDE 1500Vrms ISOLATION
- COMPACT SINGLE AND DUAL PACKAGES
- DESIGNED TO MEET CCITT 7 & FCC
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

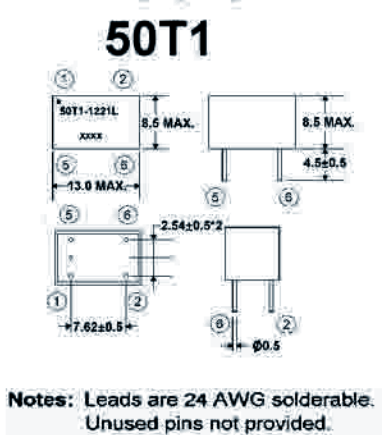
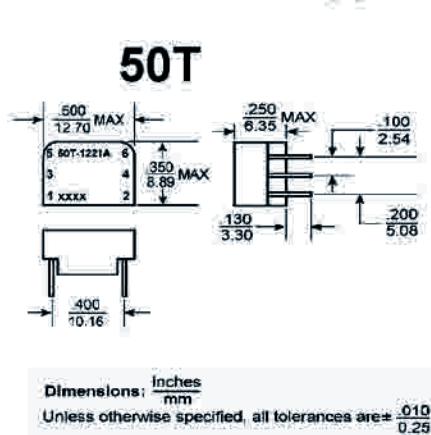
- Inductance ----- 100KHz/200mV
- Leakage Inductance ----- 100KHz/200mV
- Interwinding Capacitance ---- 100KHz/200mV

ELECTRICAL SPECIFICATIONS @25°C

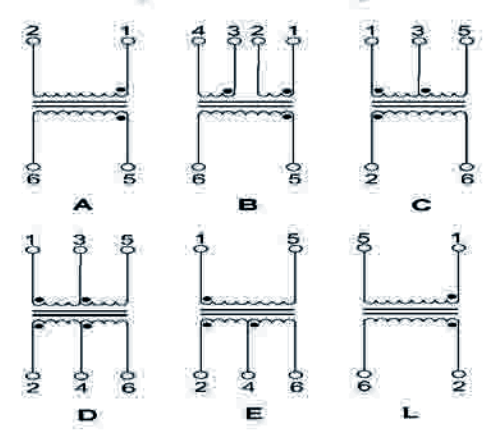


PART NUMBER	TURNS RATIO (±5%)	OCL Pri. (mH min.)	LL Sec. (uH max.)	CW/W (pf max.)	DCR Pri. (Ω±15%)	DCR Sec. (Ω±15%)
50T-1221B	1:1:1(1:2CS)	1.20	0.50	25	0.70	0.70&0.70
50T-1221D	1CT:3CT	1.20	0.50	30	0.70	1.60
50T-1221A	1:1	1.20	0.50	25	0.70	0.70
50T-1221C	1CT:1	1.20	0.80	25	0.70	0.70
50T-1222A	1:1.36	1.20	0.80	35	0.70	0.80
50T-3012B	1.26CS:1(1:1:1.58)	0.30	0.60	30	0.80	0.60
50T-8013B	1CS:1	0.80	0.60	30	0.80	0.60
50T-8014B	1CS:1.31	0.80	0.40	30	0.80	0.60
50T-1122D	1CT:2CT	1.20	0.30-0.55	30	0.70	1.20
50T-1222C	1:2CT	1.20	0.50	40	0.70	1.30
50T-5011E	1:4CT	0.50	1.00	40	0.50	1.50
50T-1222E	1:1.14CT	1.20	0.80	35	0.70	0.80
50T-1523C	1:1.15CT	1.50	0.60	35	0.70	0.90
50T-1524C	1:1/1.26	1.50	0.40	40	0.70	0.90
50T-1223D	1CT:2CT	1.20	0.50	30	0.70	1.20
50T-1223E	1:2.3CT	1.20	0.80	35	0.70	1.40
50T-1224E	1:1.36CT	1.20	0.80	35	0.70	0.90
50T-1223D	1CT:1CT	1.20	0.80	25	0.80	0.80
50T-7011C	1CT:1	0.70	0.70	20	0.20	0.80
50T-7014E	1:1.36CT	0.70	0.70	20	0.50	0.40
50T-1225C	1:1.5CT	1.20	0.6	30	0.70	1.00
50T-1224D	1:1.26CT	1.20	0.80	60	0.90	1.00
50T-1222AT	1:1.36	1.20	0.80	35	0.90	1.20
50T-1523CT	1:1.15CT	1.50	0.80	40	0.90	1.00
50T-1222DT	1CT:2CT	1.20	0.60	50	1.00	2.00
50T-1224DT	1CT:1CT	1.20	1.00	40	1.00	1.00
50T-1225DT	1CT:3CT	1.20	0.80	60	0.90	2.70
50T-1524CT	1:1/1.26	1.50	0.80	50	0.90	1.10

MARKINGS AND DIMENSIONS



SCHEMATICS





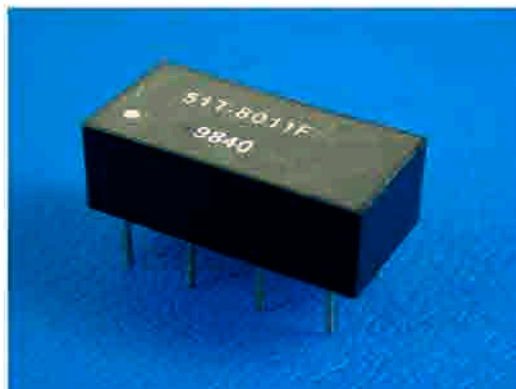
51T SERIES T1/CEPT/ISDN-PRI TRANSFORMER DUAL THROUGH HOLE, 1500Vrms

FEATURES

- FOR T1/CEPT TELECOM APPLICATIONS.
- PROVIDE 1500Vrms ISOLATION.
- COMPACT SINGLE AND DUAL PACKAGES.
- DESIGNED TO MEET CCITT & FCC.
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

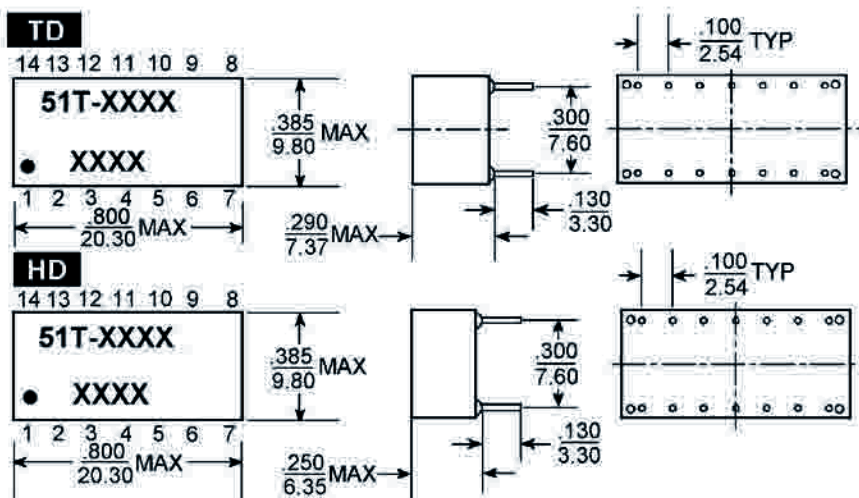
- Inductance ----- 100KHz/20mV
- Leakage Inductance ----- 100KHz/200mV
- Interwinding Capacitance -- 100KHz/200mV



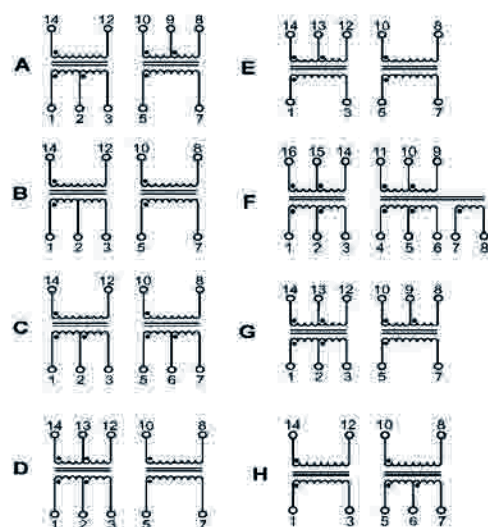
ELECTRICAL SPECIFICATIONS @25°C

PART NUMBER	TURNS RATIO ±5%	OCL @25°C (mH MIN)	Cw/w (pF MAX)	LL (uH MAX)	DCR PRI (Ω MAX)	DCR SEC (Ω MAX)	PACKAGE/ SCHEMATIC	PRIMARY PINS
STANDARD TEMPERATURE RANGE DUAL TRANSFORMERS-OPERATING TEMPERATURE 0°C TO +70°C								
51T-1221A	1:2CT&1:2CT	1.20&1.20	35&35	0.50&0.50	0.70&0.70	1.20&1.20	HD/A	14-12,5-7
51T-1221B	1:2CT&1:1.36	1.20&1.20	35&35	0.50&0.80	0.80&0.80	1.20&1.00	HD/B	14-12,5-7
51T-2021C	1:2CT&1:2CT	2.00&2.00	50&50	0.60&0.60	1.00&1.00	2.00&2.00	HD/C	14-12,10-8
51T-1221D	1CT:2CT&1:1	1.20&1.20	30&30	0.3~0.5&0.5	0.70&0.70	1.20&0.70	HD/D	1-3,5-7
51T-8011E	1:1.26CT&1.58:1	0.80&0.80	30&30	0.50&0.50	0.60&0.60	0.70&0.30	HD/E	1-3,5-7
51T-8012E	1:1CT&2:1	0.80&0.80	30&30	0.60&0.60	0.50&0.50	0.50&0.20	HD/E	1-3,5-7
51T-1223E	1CT:1.31&2.62:1	1.20&1.20	30&30	0.8&0.80	0.60&0.60	0.50&0.30	HD/E	1-3,5-7
51T-1522A	1:1.15CT&1:2CT	1.50&1.20	35&40	0.60&0.50	0.70&0.70	1.10&1.30	TD/A	14-12,5-7
51T-1523A	1:1/1.26&1:2CT	1.50&1.20	40&40	0.50&0.40	0.70&0.70	0.90&1.30	TD/A	14-12,5-7
STANDARD TEMPERATURE RANGE DUAL TRANSFORMERS-OPERATING TEMPERATURE -40°C TO +85°C								
51T-1522AT	1:1.15CT&1:2CT	1.50&1.20	40&60	0.80&0.80	0.90&0.90	1.00&1.70	TD/A	14-12,5-7
51T-1523AT	1:1/1.26&1:2CT	1.50&1.20	50&60	0.80&0.80	0.90&0.90	1.00&1.70	TD/A	14-12,5-7
51T-1221GT	1CT:2CT&1:1.36CT	1.20&1.20	50&50	0.80&0.80	1.00&1.00	1.70&1.20	TD/G	14-12,5-7
51T-1221FT	1CT:1CT&3CT:1CT:25	1.20&32.0	40&65	0.80&0.80	1.00&3.00	1.00&1.20	TD/F	1-3,11-9
51T-1222FT	1CT:1CT&1CT:3CT:1	1.20&0.60	40&40	0.80&0.80	1.00&0.80	1.00&2.00	TD/F	1-3,4-6

MARKINGS AND DIMENSIONS



SCHEMATICS



Dimensions: inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25



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.

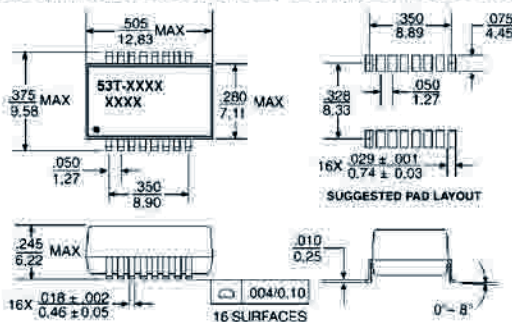


ELECTRICAL SPECIFICATIONS @25°C 0°C to 70°C

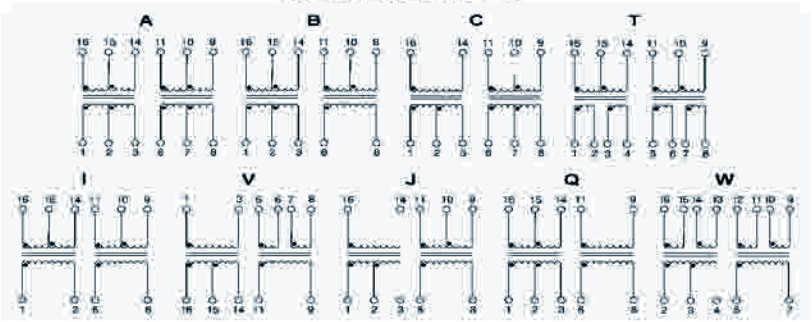
PART NUMBER		TURNS RATIO (Pri:Sec±5%)	OCL (mH MIN)	C _{ww} (pFMAX)	LL (μHMAX)	DCR PRI (Ω MAX)	DCR SEC (Ω MAX)	SCHEMATIC	PRIMARY PINS
STD Temp.	Ext Temp.								
53T-1221A	53T-1221AC	1CT:2CT&1CT:2CT	1.20&1.20	30&30	.60 & .60	0.70&0.70	1.40&1.40	A	16-14,6-8
53T-1222B	53T-1222BC	1CT:2CT&1CT:1.36CT	1.20&1.20	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-1021IC	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-1221IAC	1CT:2CT&1CT:2.42CT	1.20&1.20	35&35	.80 & .80	1.00&1.00	—	A	1-3,6-8
—	53T-122JAC	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



SCHEMATICS



Dimensions: Inches mm Unless otherwise specified, all tolerances are ± .010 / 0.25



54T SERIES

T1/CEPT/ISDN-PRI TRANSFORMER SINGLE REINFORCED INSULATION, 3KVrms

FEATURES

- FOR T1 / CEPT LINE INTERFACES
- MATCHED TO LEADING TRANSCEIVER ICs
- DESIGNED TO MEET ITU-T G.703
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

- Inductance ----- 1KHz/10mV
- Leakage Inductance ----- 100KHz/200mV
- Interwinding Capacitance -- 100KHz/200mV

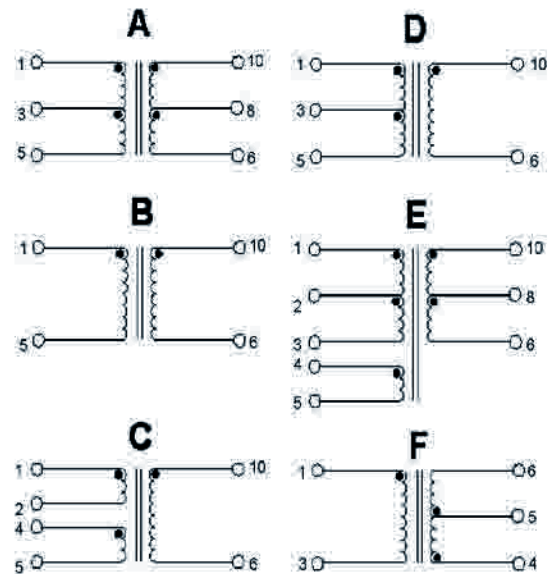
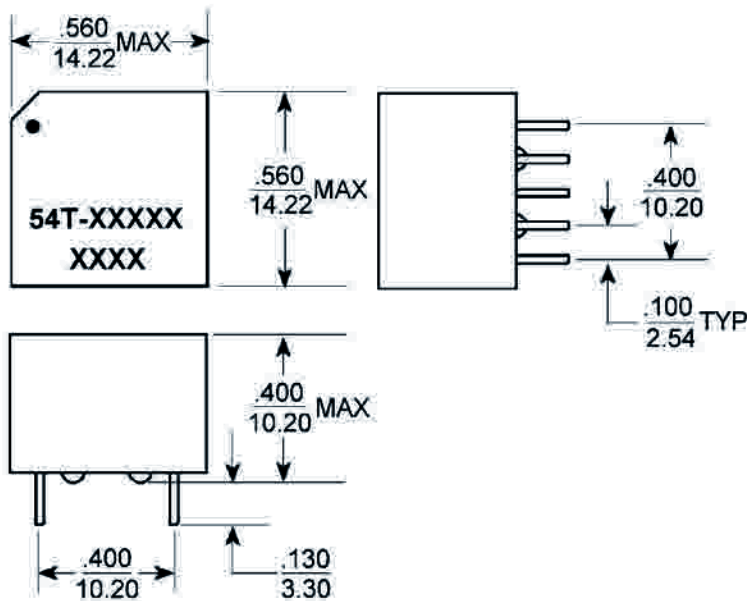


ELECTRICAL SPECIFICATIONS @25°C-Operating temperature 0°C TO 70°C (Unless Otherwise Noted)

PART NUMBER	TURNS RATIO ±5%	OCL (mH MIN)	LL (μ H MAX)	Cw/w (p F MAX)	DCR PRI (Ω MAX)	DCR SEC (Ω MAX)	PACKAGE/ SCHEMATICS	PRIMARY PINS
54T-8011C	1.27CS:1	0.80	0.70	15	0.50	0.35	C	1-5
54T-8012C	1CS:1	0.80	0.70	15	0.50	0.45	C	1-5
54T-1221D	1:1.36CT	1.20	0.60	35	0.70	0.90	D	10-6
54T-1221A	1CT:2CT	1.20	0.30-0.55	20	0.50	0.90	A	1-5
54T-1221B	1:1	1.20	0.50	20	0.50	0.50	B	1-5
54T-1222A	1CT:2CT	1.20	0.80	15	0.70	1.10	A	1-5
54T-6011E	1CT:3CT:1	0.60	0.80	30	0.70	1.70	E	1-3
54T-1522D	1:1.08/1.36	1.50	0.60	20	0.70	0.90	D	10-6
54T-1523D	1:1.14CT	1.50	1.00	30	0.70	0.90	D	10-6
54T-1524D	1:1/1.26	1.50	0.60	35	0.70	1.10	D	10-6
54T-1525D	1:1.58/2	1.50	0.70	20	0.70	1.20	D	10-6
54T-1223A	1CT:1.41CT	1.20	0.80	20	0.60	0.80	A	10-6
54T-2221F	1:2CT	2.00	0.60	35	1.50	-	F	1-3

MARKINGS AND DIMENSIONS

SCHEMATICS



Dimensions: inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25



55T/57T SERIES

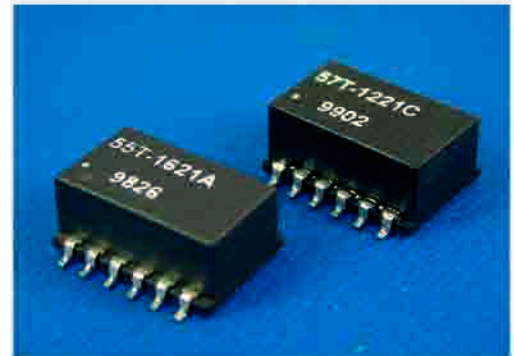
T1/CEPT/ISDN-PRI TRANSFORMER DUAL SURFACE MOUNT, 1500Vrms, EXTENDED AND STANDARD TEMPERATURE RANGE

FEATURES

- DUAL SMT PACKAGE CONTAINS BOTH TRANSMIT AND RECEIVE TRANSFORMERS.
- MODELS MATCHED TO LEADING TRANSCEIVER ICs.
- PROVIDE 1500Vrms ISOLATION.
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

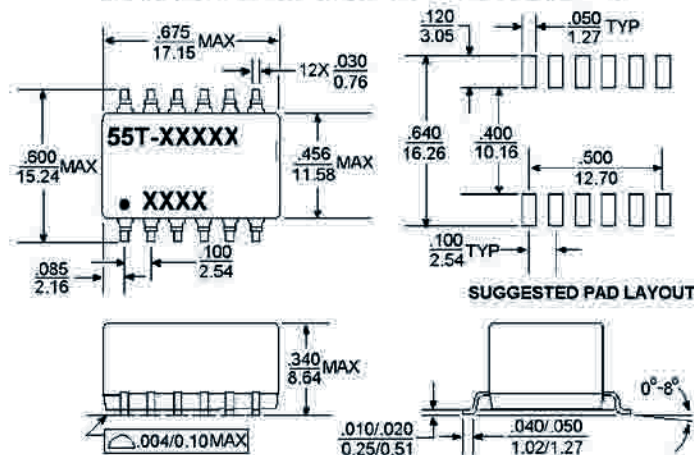
- Inductance ----- 10KHz/20mV
- Leakage Inductance ----- 100KHz/200mV
- Interwinding Capacitance -- 100KHz/200mV



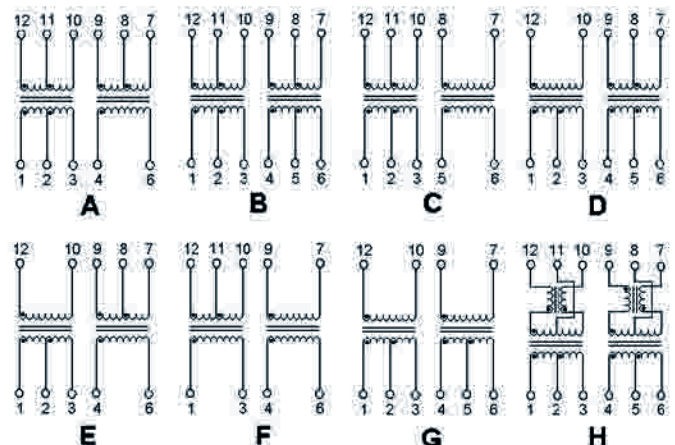
ELECTRICAL SPECIFICATIONS @25°C

PART NUMBER	TURNS RATIO ±5%	OC L @25°C (mH MIN)	LL (μH MAX)	Cw/w (pF MAX)	DCR PRI (Ω MAX)	DCR SEC (Ω MAX)	PRIMARY PINS
EXTENDED TEMPERATURE RANGE MODELS-OPERATING TEMPERATURE -40°C TO +85°C							
55T-1221B	1CT:2CT&1CT:2CT	1.20&1.20	0.80&0.80	50&50	1.00&1.00	1.70&1.70	12-10,4-6
55T-1621A	1CT:2CT&1:1.36CT	1.60&1.60	1.00&0.80	60&55	1.70&1.0	2.00&1.70	12-10,4-6
55T-1261D	1:1.15CT&1CT:2CT	1.60&1.60	0.80&0.80	60&50	1.00&1.00	1.00&2.00	12-10,4-6
55T-1221E	1:1/1.26&1:2 CT	1.20&1.20	0.80&0.80	50&60	1.00&1.00	1.10&1.70	12-10,4-6
55T-1621F	1:2 CT & 2:1	1.60&1.60	1.30&1.30	55&40	1.10&1.10	1.10*0.70	1-3,4-6
55T-1222B	1CT:1CT & 1CT:1CT	1.20&1.20	0.80&0.80	50&50	1.00&1.00	1.00&1.00	1-3,4-6
55T-1223B	1CT:1.15CT & 1CT:1.15CT	1.20&1.20	0.80&0.80	50&50	1.20&1.20	1.40&1.40	1-3,4-6
55T-1224B	1CT:1CT & 1CT:2CT	1.20&1.20	0.80&0.80	50&50	1.00&1.00	1.00&1.80	1-3,4-6
55T-1625B	1CT:1.15CT & 1CT:1CT	1.60&1.60	0.80&0.80	60&60	1.20&1.20	1.40&1.20	12-10,4-6
55T-1226B	1CT:1.36CT & 1CT:1.36CT	1.20&1.20	0.80&0.80	50&50	1.20&1.20	1.40&1.40	1-3,4-6
55T-1227B	1CT:1.41CT & 1 CT:1.41CT	1.20&1.20	0.80&0.80	50&50	0.90&0.90	1.20&1.20	12-10,9-7
55T-1228B	1CT:2.3CT&1CT:2CT	1.20&1.20	0.80&0.80	60*50	1.20&1.20	2.10&2.10	10-12,4-6
STANDARD TEMPERATURE RANGE MODELS-OPERATING TEMPERATURE 0°C TO +70°C							
57T-1221B	1CT:2CT&1CT:2CT	1.20&1.20	0.60&0.60	35&35	0.70&0.70	1.20&1.20	12-10,4-6
57T-1221A	1CT:2CT&1:1.36CT	1.20&1.20	0.60&0.60	35&37	0.70&0.70	1.20&0.90	12-10,4-6
57T-1221E	1:2CT&1:1.14CT	1.20&1.20	0.55&0.80	40&35	0.70&0.70	1.20&0.90	12-10,4-6
57T-1221C	1CT:2CT&1:1	1.20&1.20	0.30-0.55&0.80	30&30	0.70&0.70	1.20&0.70	1-3,5-6
57T-1521D	1:1.15CT&1CT:2CT	1.50&1.20	0.80&0.60	35&35	0.70&0.70	0.90&1.20	12-10,4-6
57T-1522E	1:1/1.26&1:2CT	1.50&1.20	0.40&0.50	40&40	0.70&0.70	0.90&1.20	12-10,4-6
57T-1222A	1CT:2CT&1:1.08CT	1.20&1.20	0.60&0.60	40&30	0.70&0.70	1.10&0.90	12-10,4-6
57T-1521G	1:1/1.26&1:1/1.26	1.50&1.50	0.0&0.40	45&45	0.80&0.80	1.00&1.00	12-10,9-7

MARKINGS AND DIMENSIONS



SCHEMATICS



Unless otherwise specified, all tolerances are ±.010/±0.25

MMI 56T SERIES T1/CEPT/ISDN-PRI TRANSFORMER REINFORCED INSULATION, 3KVrms, SMT

FEATURES

- DUAL SURFACE MOUNT PACKAGE CONTAINS BOTH TRANSMIT.
- MODELS MATCHED TO LEADING TRANSCEIVER ICs
- MEET 3KV REINFORCED INSULATION

TEST CONDITIONS

- Inductance ----- 10KHz/20mV
- Leakage Inductance ----- 100KHz/1V
- Interwinding Capacitance -- 100KHz/1V

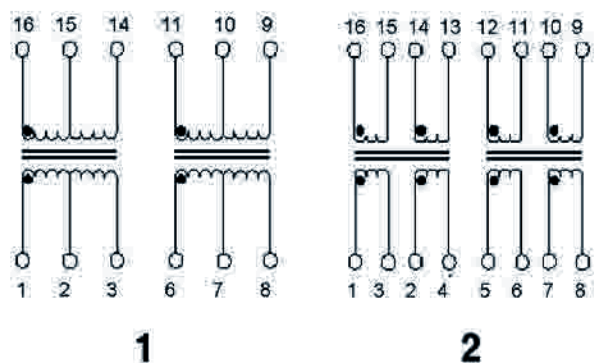
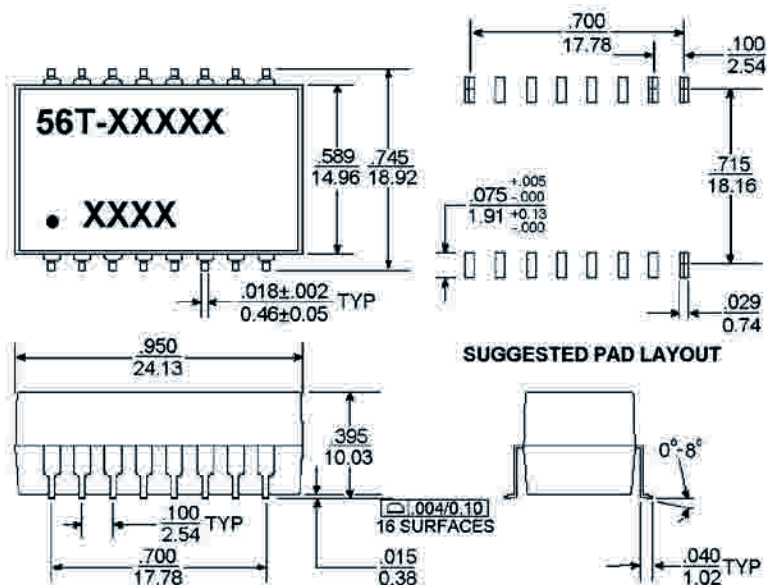


ELECTRICAL SPECIFICATIONS @25°C-Operating temperature 0°C TO 70°C

PART NUMBER	TURNS RATIO ±5%	OCL @25°C (mH MIN)	PRIMARY PINS
56T-122A1	1CT:1CT&1CT:1CT	1.20&1.20	1-3,6-8
56T-122B1	1CT:1CT&1CT:2CT	1.20&1.20	1-3,6-8
56T-162C1	1CT:1.15CT&1CT:1CT	1.60&1.60	16-14,6-8
56T-122D1	1CT:1.15CT&1CT:1.15CT	1.20&1.20	1-3,6-8
56T-152E1	1CT:1.15CT&1CT:2CT	1.50&1.20	16-14,6-8
56T-122A2	1CS:1CS&1CS:1.36CS	1.20&1.20	1-4,5-8
56T-122F1	1CT:1CT&1CT:1.36CT	1.20&1.20	1-3,6-8
56T-122G1	1CT:1.36CT&1CT:1.36CT	1.20&1.20	1-3,6-8
56T-122H1	1CT:1.41CT&1CT:1.41CT	1.20&1.20	16-14,11-9
56T-122I1	1CT:1.41CT&1CT:1.41CT	1.20&1.20	1-3,11-9
56T-122J1	1CT:2CT&1CT:1.08CT	1.20&1.20	16-14,6-8
56T-122K1	1CT:2CT&1CT:1.14CT	1.20&1.20	16-14,6-8
56T-122L1	1CT:2CT&1CT:1.36CT	1.20&1.20	16-14,6-8
56T-122M1	1CT:2CT&1CT:2CT	1.20&1.20	16-14,6-8
56T-162N1	1CT:2CT&2CT:1CT	1.60&1.60	1-3,6-8
56T-122O1	1CT:2.3CT&1CT:2CT	1.20&1.20	16-14,6-8
56T-152P1	1CT:1/1.26CT&1CT:2CT	1.50&1.20	16-14,6-8
56T-122Q1	1CT:1.31CT&2.62CT:1CT	1.2&1.2	1-3,6-8
56T-801R1	1CT:1.26CT&1.58CT:1CT	0.80&0.80	1-3,6-8

MARKINGS AND DIMENSIONS

SCHEMATICS



Dimensions: inches/mm

Unless otherwise specified,

all tolerances are ±.010/±0.25



58T SERIES

T1/CEPT/ISDN-PRI TRANSFORMER

Quad Port SMT Transformer Module & With IC Side Protect

FEATURES

- EIGHT TRANSFORMERS IN A SURFACE MOUNT PACKAGE
- Includes IC Side Protection Circuit on each channel to suppress low voltage transients
- Compatible with PMC-Sierra's Comet chip (PM4354)
- MODELS MATCHED TO LEADING QUAD AND DUAL T1/E1/CEPT/ISDN-PRI TRANSCEIVERS.
- ISOLATION VOLTAGE: 1500Vrms.
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

- OCL -- 100KHZ/100mV
- LL-- 100KHZ/100mV

ELECTRICAL SPECIFICATIONS @25°C



• Cww -- 100KHZ/100mV

Part Number		Turns Ratio (Pri:Sec±2%)		OCL @ 25°C (mH MIN)		LL (uH MAX)		Cww (pF MAX)		Package Schematic	Primary Pins	
STD Temp.	EXT Temp.	Transmit	Receive	Transmit	Receive	Transmit	Receive	Transmit	Receive		Transmit	Receive
58T-1221A	58T-1221AC	1:1.36	1:1.36CT	1.2	1.2	0.6	0.6	35	35	A	1-2,6-7,11-12,16-17	38-36,33-31,28-26,23-21
58T-1222A	58T-1222AC	1:1.14	1:1.14CT	1.2	1.2	0.6	0.6	35	35	A	1-2,6-7,11-12,16-17	38-36,33-31,28-26,23-21
58T-1221C	58T-1221CC	1:2.6T	1:2.6T	1.2	1.2	0.8	0.8	35	35	C	4-5,8-10,14-15,19-20	24-26,28-30,34-36,38-40
58T-1221D	58T-1221DC	1:2	1:2.6T	1.2	1.2	0.6	0.6	35	35	D	1-2,9-10,11-12,16-20	23-26,28-29,33-36,38-38
58T-1222C	58T-1222CC	1:1.36CT	1:2.6T	1.2	1.2	0.6	0.6	35	35	C	24-26,28-30,34-36,38-40	4-5,8-10,14-15,19-20
58T-1221B	58T-1221BC	1:2.6T	1:1.6T	1.2	1.2	0.6	0.6	35	35	B	1-2,6-7,11-12,16-17	21-22,26-27,31-32,36-37
58T-1223C	58T-1223CC	1CT:1.41	1CT:1.41	1.2	1.2	0.6	0.6	35	35	C	1-3,6-8,11-13,16-18	21-23,26-28,31-33,36-38
58T-1223A	58T-1223AC	1:1.16	1:2.6T	1.2	1.2	0.6	0.6	35	35	A	1-2,6-7,11-12,16-17	21-23,26-28,31-33,36-38
58T-1222B	58T-1222BC	1:1/1.26	1:2.6T	1.2	1.2	0.6	0.6	35	35	B	1-2,6-7,11-12,16-17	21-22,26-27,31-32,36-37
58T-1221E	58T-1221EC	1:1.16	1:1.16	1.2	1.2	0.6	0.6	35	35	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
58T-1222E	58T-1222EC	1:2	1:2	1.2	1.2	0.6	0.6	35	35	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
58T-1225A	58T-1225AC	1:1.08	1.08CT:1	1.2	1.2	0.4	0.5	35	35	A	1-2,6-7,11-12,16-17	38-36,33-31,28-26,23-21
58T-1224C	58T-1224CC	1:2.6T	1CT:2	1.2	1.2	0.6	0.6	35	35	C	4-5,8-10,14-15,19-20	1-3,6-8,11-13,16-18
58T-1226A	58T-1226AC	1:1.70	1:1.36CT	1.2	1.2	0.8	0.6	35	35	A	1-2,6-7,11-12,16-17	21-23,26-28,31-33,36-38
58T-1226C	58T-1226CC	1:1.36CT	1:1.6T	1.2	1.2	0.6	0.6	35	35	C	24-26,28-30,34-36,38-40	4-5,8-10,14-15,19-20
58T-1022F	58T-1022FC	1:2.4	1:1	1.0	1.0	0.5	0.5	35	35	F	1-2,8-9,11-12,16-18	24-26,27-28,34-36,37-38
58T-1023F	58T-1023FC	1:1.6	1.41:1	1.0	1.0	0.5	0.5	35	35	F	1-2,8-9,11-12,16-18	24-26,27-28,34-36,37-38
58T-1021G	58T-1021GC	1:2/2.4	1.0/7.0/1	1.0	1.0	1.0	1.0	35	35	G	1-2,9-10,11-12,16-20	37-36,35-34,27-26,25-24
58T-1223E	58T-1223EC	1:2.42	1:2.42	1.2	1.2	0.6	0.6	35	35	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
58T-6013B	58T-6013BC	1:2.1CT	1:2.1CT	1.2	0.6	0.6	0.6	35	35	B	1-2,6-7,11-12,16-17	21-22,26-27,31-32,36-37
58T-6014B	58T-6014BC	1:2.45CT	1:2.45C	1.2	0.6	0.6	0.6	35	35	B	1-2,6-7,11-12,16-17	21-22,26-27,31-32,36-37
-	58T-1222FC	1:2	1:2	1.2	1.2	0.7	0.7	35	35	F	1-2,6-7,11-12,16-17	3-4,8-9,13-14,18-19
-	58T-1226CC	1:2.6T	1CT:1	1.2	1.2	0.6	0.6	35	35	C	4-5,8-10,14-15,19-20	1-3,6-8,11-13,16-18
-	58T-1226EC	1:2	1:1	1.2	1.2	0.6	0.6	35	35	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
-	58T-1223CC	1:1.36	1:1	1.2	1.2	0.6	0.6	40	40	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
-	58T-1226CC	1:1.6T	1:1CT	1.2	1.2	0.6	0.6	35	35	C	4-5,8-10,14-15,19-20	24-26,28-30,34-36,38-40
-	58T-1227CC	1:1.26CT	1:1.26CT	1.2	1.2	0.6	0.6	35	35	C	4-5,8-10,14-15,19-20	24-26,28-30,34-36,38-40
-	58T-1224EC	1:1	1:1	1.2	1.2	0.7	0.7	35	35	E	1-3,6-8,11-13,16-18	4-5,8-10,14-15,19-20
58TH-6013L	-	1:2.42	1:2.42	0.6	0.6	0.6	0.6	35	35	L	1-3,4-5,8-9,10,11-13,14-15,16-18,19-20	40-38,37-36,35-33,32-31,30-28,27-26,25-23,22-21

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



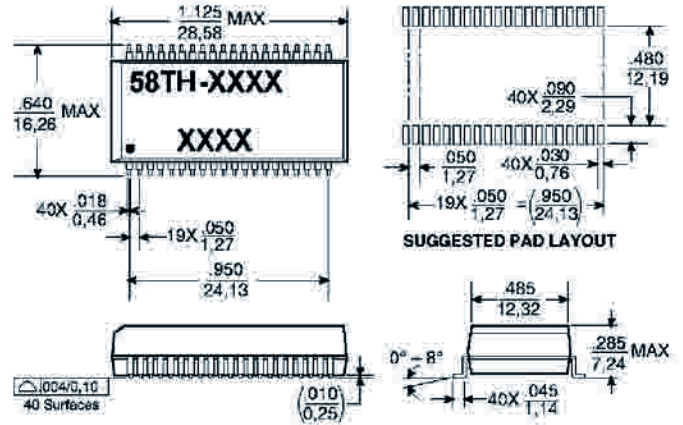
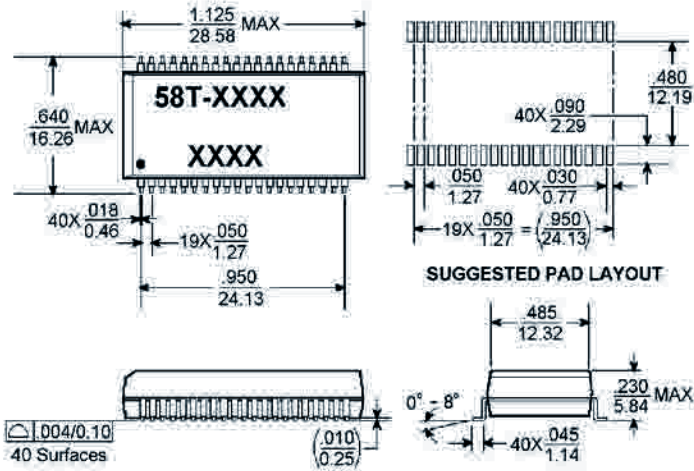
58T SERIES

T1/CEPT/ISDN-PRI TRANSFORMER Quad Port SMT Transformer Module & With IC Side Protect

58T

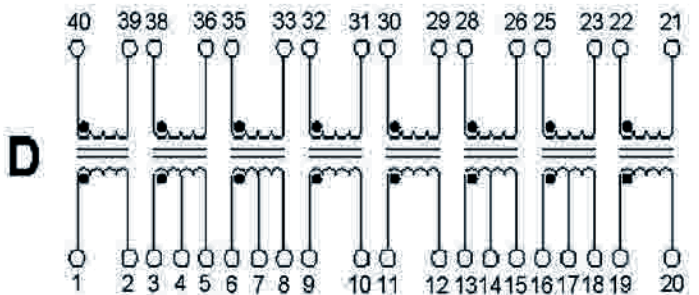
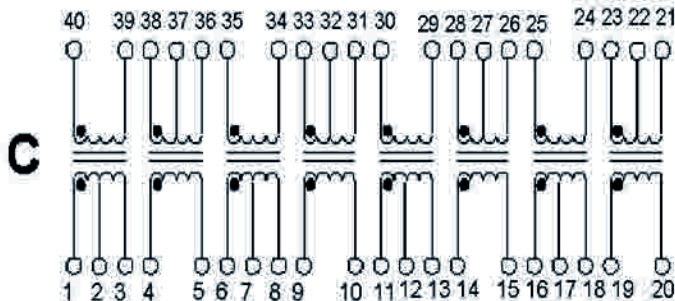
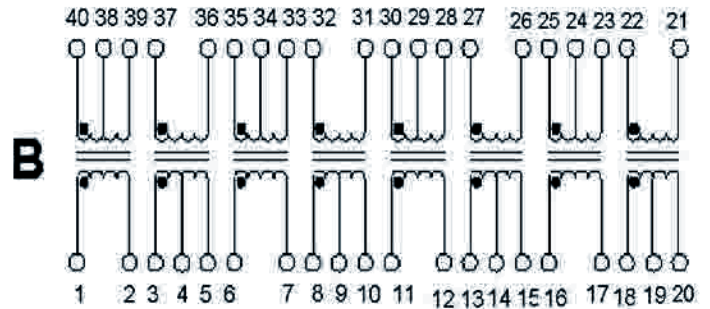
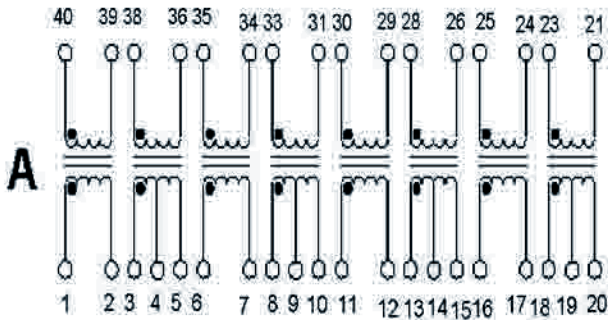
MECHANICAL

58TH



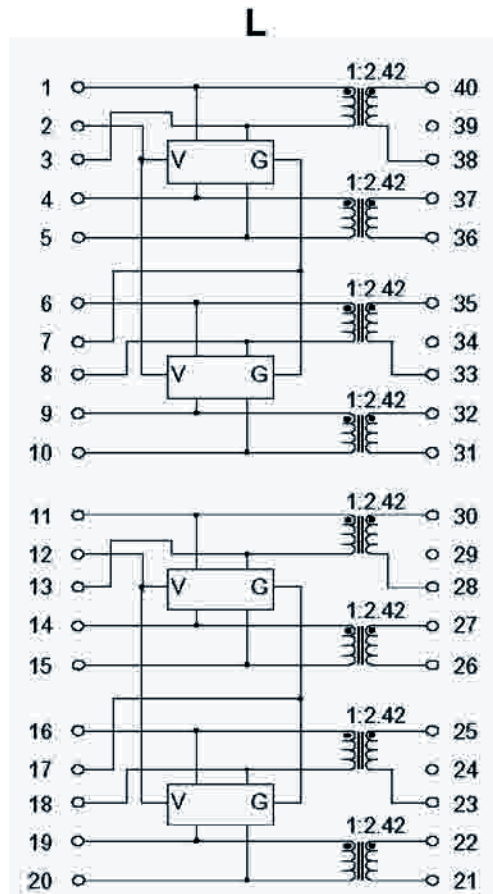
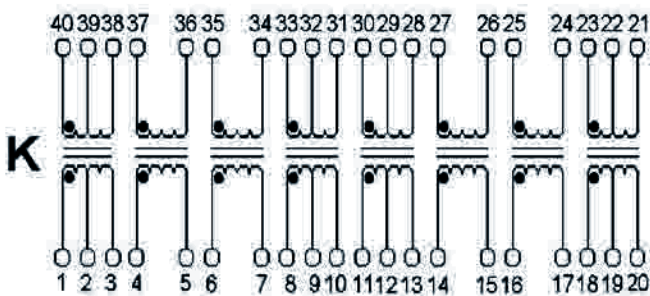
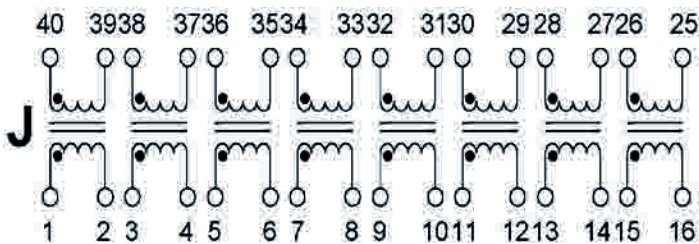
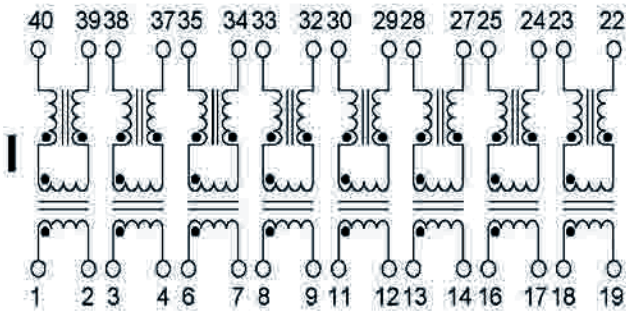
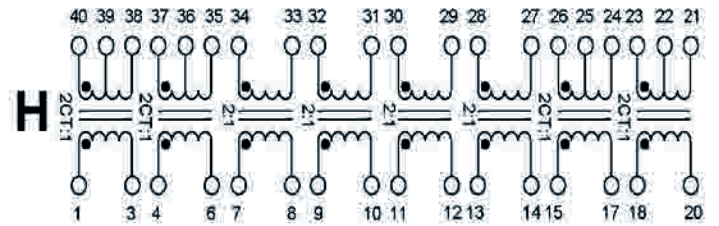
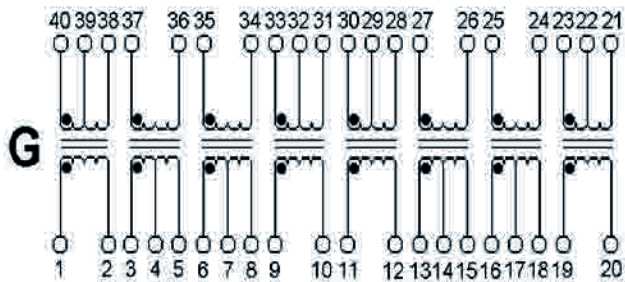
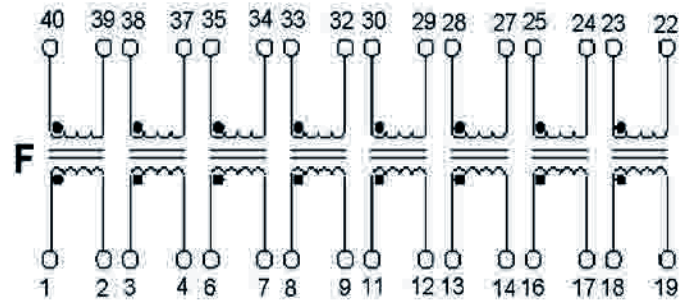
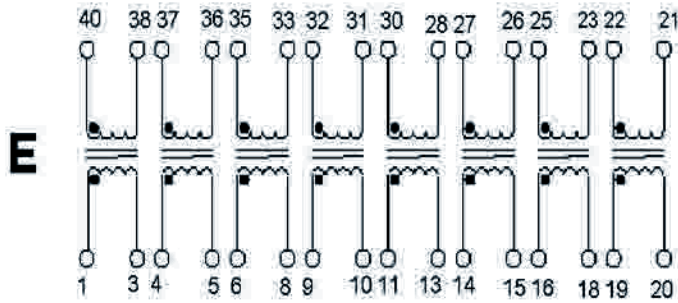
UNIT:inch/mm

SCHEMATICS



MMT 58T SERIES T1/CEPT/ISDN-PRI TRANSFORMER

Quad Port SMT Transformer Module & With IC Side Protect





59T SERIES

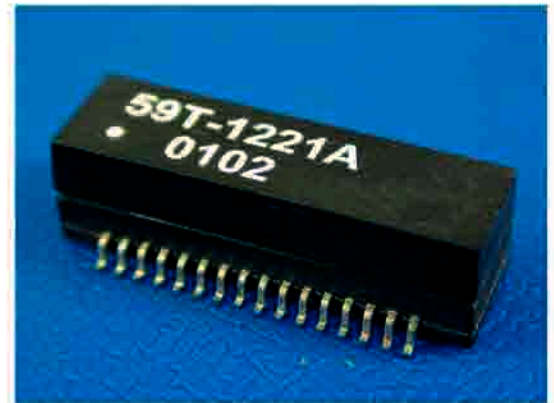
T1/E1/ISDN-PRI QUAD TRANSFORMER SURFACE MOUNT PACKAGE

FEATURES

- QUAD TRANSFORMERS IN A SURFACE MOUNT PACKAGE SUPPORTS TWO T1/E1 PORTS.
- AVAILABLE IN TRANSMIT AND/OR RECEIVE CONFIGURATIONS.
- MODELS MATCH ET TO LEADING QUAD AND DUAL T1/E1/CEPT TRANSCEIVERS.
- ISOLATION VOLTAGE: 1500Vrms.
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

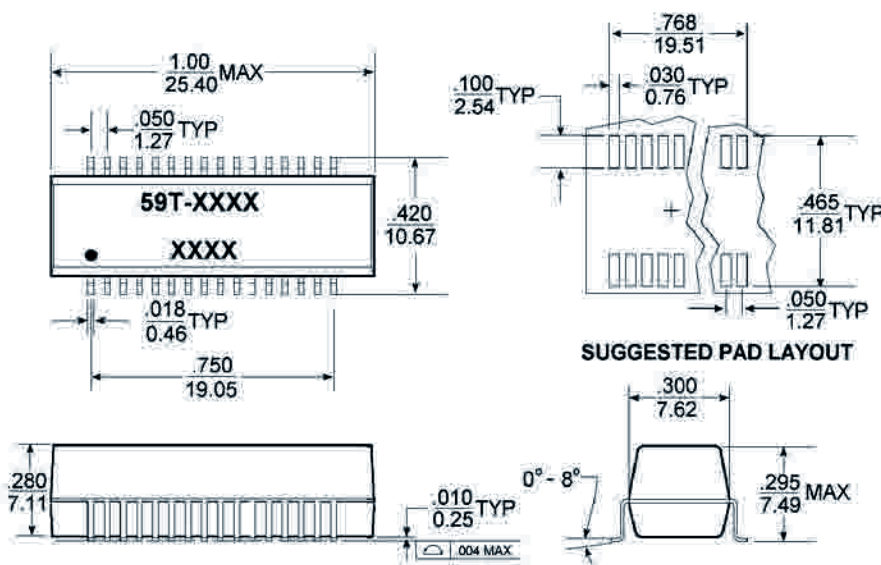
- Inductance ----- 10KHz/20mV
- Leakage Inductance ----- 100KHz/1V
- Interwinding Capacitance -- 100KHz/1V



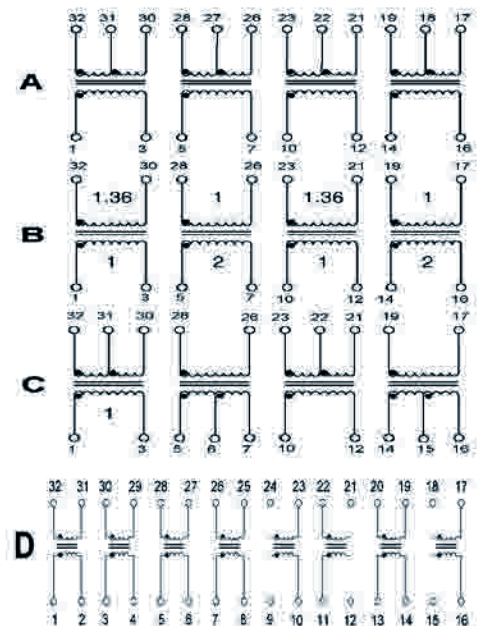
ELECTRICAL SPECIFICATIONS @25°C-Operating temperature 0°C TO 70°C

PART NUMBER	TURNS RATIO ±5%	OCL @25°C (mH MIN)	LL (μH MAX)	Cw/w (pF MAX)	DCR PRI (Ω MAX)	DCR SEC (Ω MAX)	PRIMARY PINS
59T-1221A	1:1.36/1	1.2	0.40	30	0.7	1.0	1-3,5-7,10-12,14-16
59T-1222A	1:1.58/1.266	1.2	0.50	24	0.6	0.8	1-3,5-7,10-12,14-16
59T-1223A	1:2CT	1.2	0.35	30	0.6	1.0	1-3,5-7,10-12,14-16
59T-1224A	1:1.15CT	1.2	0.70	23	0.6	0.8	1-3,5-7,10-12,14-16
59T-1221B	1:1.36/1:2	1.2	0.80	35	0.6	1.0	1-3,10-12,19-17,28-26
59T-1225A	1:1.265/1	1.2	0.80	35	0.6	0.8	1-3,5-7,10-12,14-16
59T-1226A	1:1.36CT	1.2	0.50	30	0.6	0.8	1-3,5-7,10-12,14-16
59T-1227A	1:2/1.15	1.2	0.40	30	0.6	1.0	1-3,5-7,10-12,14-16
59T-1221C	1:2.3/2	1.2	0.80	35	0.6	1.1	1-3,28-26,10-12,19-17

MARKINGS AND DIMENSIONS



SCHEMATICS





59T1 SERIES

T1/E1/ISDN-PRI QUAD TRANSFORMER SURFACE MOUNT PACKAGE

FEATURES

- DUAL PORT LINE INTERFACE MODULES FOR ESTATE SENSITIVE T1, E1, PRI ISDN AND CEPR APPLICATIONS.
- ISOLATION VOLTAGE:1500Vrms
- RECOGNIZED BY UL 1950.

TEST CONDITIONS

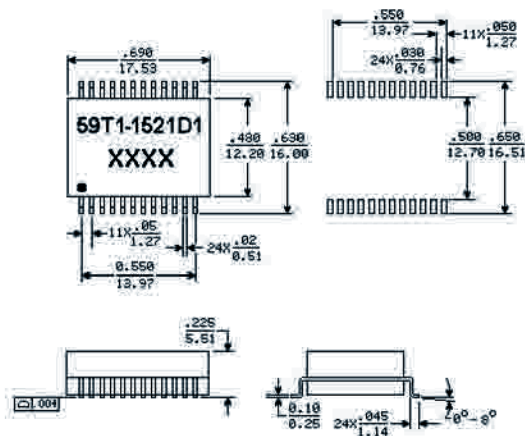
- Inductance ----- 10KHz/20mV
- Leakage Inductance ----- 100KHz/1V
- Interwinding Capacitance - 100KHz/1V



ELECTRICAL SPECIFICATIONS @25°C-Operating temperature -40°C TO 85°C

PART NUMBER	TURNS RATIO ±5%		OCL mH MIN	LL uH MAX	Cw/w pF MAX	PRI DCR (ΩMAX)	PRIMARY PINS	
	TX	RX					TX	RX
59T1-152AD1	1CT : 2CT	1CT : 2CT	1.5	0.5	35	0.8	4-6,10-12	1-3,7-9
59T1-152BD1	1CT : 2.42CT	1CT : 2.42CT	1.5	0.5	35	0.8	4-6,10-12	1-3,7-9
59T1-152CD1	1CT : 1.36CT	1CT : 1.36CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152DD1	1CT : 2CT	1CT : 2CT	1.5	0.5	35	0.8	1-3,10-12	21-19,18-16
59T1-152ED1	1CT : 1.36CT	1CT : 2CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152FD1	1CT : 1.36CT	1CT : 1CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152GD1	1CT : 1.14CT	1CT : 1.14CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152HD1	1CT : 1.15CT	1CT : 1.15CT	1.5	0.5	35	0.8	4-6,10-12	1-3,7-9
59T1-152ID1	1CT : 1.14CT	1CT : 1.14CT	1.5	0.5	35	0.8	1-3,10-12	21-19,18-16
59T1-152JD1	1CT : 1.15CT	1CT : 2CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152KD1	1CT : 1.15CT	1CT : 2CT	1.5	0.5	35	0.8	4-6,10-12	1-3,7-9
59T1-152LD1	1CT : 2.3CT	1CT : 1CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152MD1	1CT : 2CT	1CT : 1CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152ND1	1CT : 2.45CT	1CT : 2.45CT	1.5	0.5	35	0.8	4-6,10-12	24-22,18-16
59T1-152OD1	1CT : 2.4CT	1CT : 1CT	1.5	0.5	35	0.8	1-3,10-12	21-19,18-16

MARKINGS AND DIMENSIONS



Dimensions:inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25

SCHEMATICS

