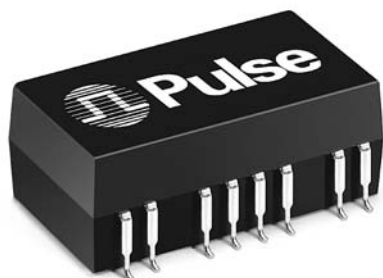


ISDN S-INTERFACE TRANSFORMERS

Surface Mount, Dual, 3 KVRms



- Meets the pulse waveform template of CCITT I.430, using recommended transformer and chip pair
- 3 KV, reinforced to EN60950 (BABT approved)
- Transfer-molded (IC grade) package
- 5 mA ΔI_{DC} — suitable for Terminal, PBX and NT applications

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

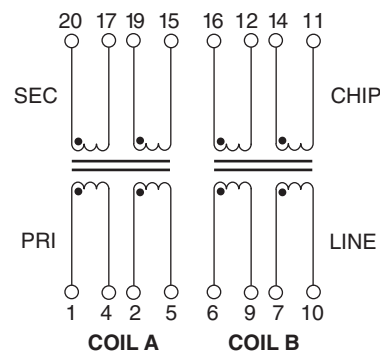
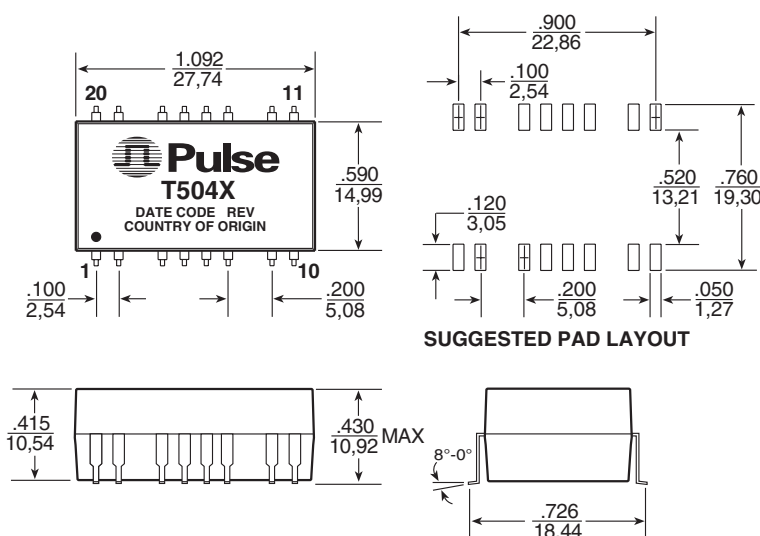
Part Number	Ratio Pri:Sec Coil A & B ($\pm 2\%$)	OCL Pri (mH MIN)	LL Sec (μ H MAX)	Cw/w (pF MAX)	CD Pri Coil A & B (pF MAX)	DCR Pri (Ω MAX)	DCR Sec (Ω MAX)	ΔI_{DC} (mA MAX)	Hipot (Pri:Sec) (Vrms MIN)
T5042	1:2	22	30	120	100	3.0	5.0	5	3000
T5043	1:2.5	22	30	120	100	3.0	7.0	5	3000

Note: Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: T5042T).

Mechanical

Schematic

MAT



Weight8.5 grams
Tape & Reel200/reel
Tube15/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

ISDN S-INTERFACE TRANSFORMERS

Surface Mount, Dual, 3 KVRms



Transformer Selection Guide

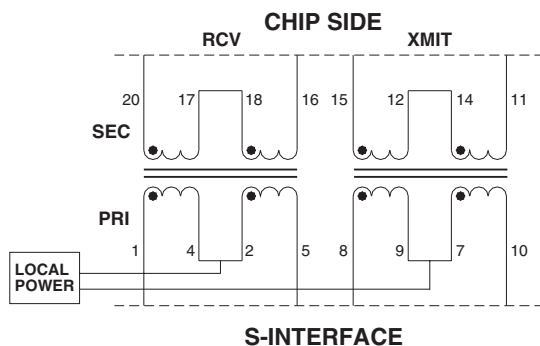
IC Manufacturer	IC Part Number	Pulse Part Number
AMD	AM 79C30A	T5042
Lucent (AT&T)	T7903	T5042
	T7234 / T7250 / T7252 / T7256 / T7259	T5043
Mietec	MTC-2072	T5042
Mitel	MT8930	T5042
Motorola	MCI45574	T5043
National	TP3420 / 3421	T5042
NEC	D98201	T5042
Siemens	PEB 2080/ 2081 / 2084 / 2085 / 2086	T5042
	PSB 2186 / 2115	
	PEB 8091/8191/8090/8190	
SGS Thomson	ST5420/ 5421	T5042
VLSI	VN580060	T5042
Yamaha	YM 7405B	T5042

Safety Standards Recognition

Four levels of insulation are considered: operational, basic, supplementary and reinforced. It is the type of equipment, its use and application (including the working voltage), which determine the level of insulation to be applied. Pulse's transformers T5042 & T5043 comply with the reinforced insulation requirements of IEC950 and have been certified by BABT (certificate number CRC30).

Flammability

Materials used in the products are recognized UL 94-VO. Products meet IEC 695-2-2 requirements (needle flame test).



SMT Common Mode Chokes

Part Number	Number of Lines	Inductance	Peak Common Mode Attenuation	Application	Isolation Voltage (MAX)	DCR (W MAX)	Data Sheet
LOW FREQUENCY CHOKES							
T8005	4-Line	4.7 mH $\pm$ 30%	1 MHz	Improve Balance	500 Vrms	1.40	T638
HIGH FREQUENCY CHOKES							
PE-65854	4-Line	47 μ H Min	30 MHz	EMI Reduction	500 Vrms	0.38	G002
T8006	4-Line	470 μ H Min	30 MHz	EMI Reduction	500 Vrms	0.8	T638
PE-68624	2-Line	47 μ H Min	30 MHz	EMI Reduction	500 Vrms	0.40	G002

NOTE: The "High Frequency" 4-wire common mode chokes provide an effective means of compliance with national and international regulations on EMI. They are designed to be used in conjunction with Pulse's ISDN S-Interface transformers. A high inductance "Low Frequency" common mode choke is recommended to improve balance or to correct inherent unbalances of some ISDN S-Interface circuits.

For More Information :

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