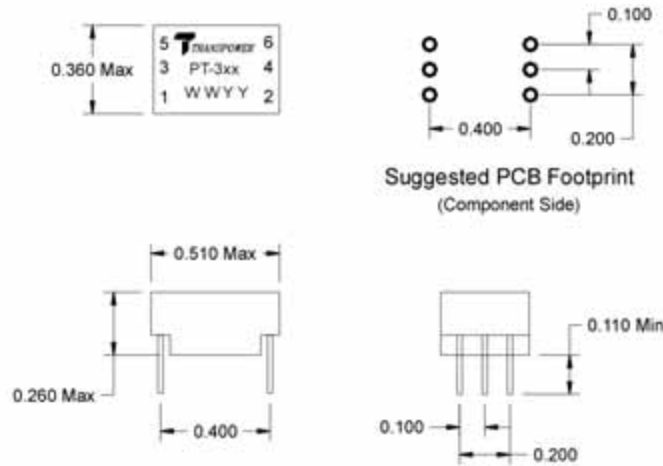


TELECOMMUNICATIONS

ISOLATION TRANSFORMERS — THROUGH-HOLE



PT-3xx: Through-hole Isolation Transformers



All dimensions are ± 0.005 unless otherwise noted.
All dimensions are in inches.

Part # (Note 1)	Turns Ratio	Impedance Match (Ohms)	Inductance (mH Min.)	Leakage Inductance (μ H Max.)	Capacitance (pF Max.)	Notes
PT-301	1:1.15CT	75 to 100	1.5	0.6	35	5
PT-302	1:1:1.26	75 to 75/120	1.5	0.4	35	2
PT-304	2CT:1CT	-	2.0	1.8	19	4, 5
PT-305	1:1.26CS	75 to 120	1.5	1.1	20	6
PT-306	1:2CT	-	1.2	0.5	40	
PT-307	2CS:1.58	-	1.5	0.6	30	6
PT-309	-	150 to 75/120	1.6	0.73	14	7
PT-310	1:1:1.26	75 to 75/120	1.6	0.48	14	3
PT-311	1:1.36CT	-	1.2	0.6	35	5
PT-312	1CT:1	-	1.2	0.6	35	5
PT-313	1CT:2CT	-	1.2	0.6	30	
PT-314	1CT:2CT	-	0.9	0.6	35	5
PT-315	1CT:1CT	-	1.8	0.7	35	
PT-317	1:1.5	-	1.2	0.6	35	
PT-318	1:2.4	-	1.2	0.6	35	
PT-319	1:1.41	-	1.2	0.6	35	
PT-320	1:2.3	-	1.2	0.6	35	
PT-321	1:1.18	-	1.2	0.6	35	
PT-322	1.26CT:1	75 to 120	1.2	0.6	35	
PT-323	1:1	-	1.2	0.6	25	
PT-324	1CT:3CT	-	1.2	0.5	45	

Notes:

1. Part numbers be modified as follows:

PT-3xxET indicates -40°C to +85°C operation

PT-3xx-S meets UL1950 supplementary insulation requirements, 250V

PT-3xx-R meets UL1950 reinforced insulation requirements

2. This transformer provides two turns ratios. Use pins 3-5 for 1:1, use pins 1-5 for 1:1.26.

3. This transformer provides two turns ratios. Use pins 2-4 for 1:1, use pins 2-6 for 1:1.26.

4. Note polarity markings on the schematic.

5. This part is designed to withstand DC fault current of 1.95A indefinitely with no dielectric degradation.

6. "CS" indicates split center winding.

7. This transformer provides two impedance matching turns ratios. Pins 1-5 are for a 150 ohm primary. Pins 2-5 are a 75 ohms secondary, and pins 2-6 are a 120 ohm secondary.