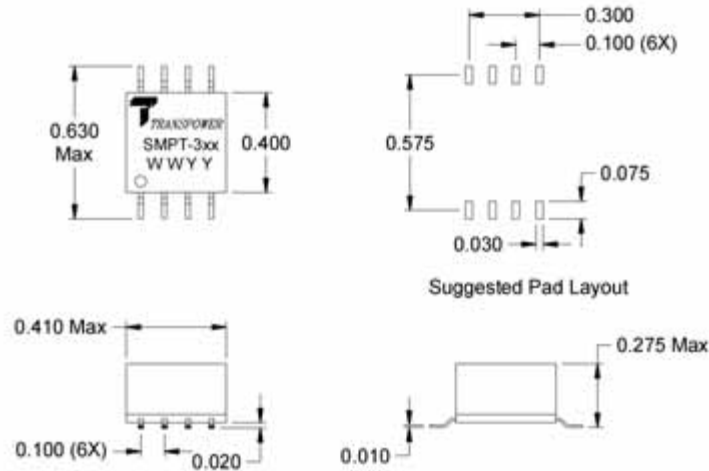


TELECOMMUNICATIONS

ISOLATION TRANSFORMERS — SURFACE-MOUNT



SMPT-3xx: Surface-mount Isolation Transformer



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
SMPT-301	1:1.15CT	75 to 100	1.5	0.6	35	5
SMPT-302	1:1.1.26	75 to 75/120	1.5	0.4	35	2
SMPT-304	2CT:1CT	-	2.0	1.8	19	4, 5
SMPT-305	1:1.26CS	75 to 120	1.5	1.1	20	6
SMPT-306	1:2CT	-	1.2	0.5	40	
SMPT-307	2CS:1.58	-	1.5	0.6	30	6
SMPT-309	-	150 to 75/120	1.6	0.73	14	7
SMPT-310	1:1.1.26	75 to 75/120	1.6	0.48	14	3
SMPT-311	1:1.36CT	-	1.2	0.6	35	5
SMPT-312	1CT:1	-	1.2	0.6	35	5
SMPT-313	1CT:2CT	-	1.2	0.6	30	
SMPT-314	1CT:2CT	-	0.9	0.6	35	5
SMPT-315	1CT:1CT	-	1.8	0.7	35	
SMPT-317	1:1.5	-	1.2	0.6	35	
SMPT-318	1:2.4	-	1.2	0.6	35	
SMPT-319	1:1.41	-	1.2	0.6	35	
SMPT-320	1:2.3	-	1.2	0.6	35	
SMPT-321	1:1.18	-	1.2	0.6	35	
SMPT-322	1.26CT:1	75 to 120	1.2	0.6	35	
SMPT-323	1:1	-	1.2	0.6	25	
SMPT-324	1CT:3CT	-	1.2	0.5	45	

Notes:

- Part numbers be modified as follows:
SMPT-3xxET indicates -40°C to +85°C operation
SMPT-3xx-S meets UL1950 supplementary insulation requirements, 250V
SMPT-3xx-R meets UL1950 reinforced insulation requirements
- This transformer provides two turns ratios. Use pins 3-5 for 1:1, use pins 1-5 for 1:1.26.
- This transformer provides two turns ratios. Use pins 2-4 for 1:1, use pins 2-6 for 1:1.26.

- Note polarity markings on the schematic.
- This part is designed to withstand DC fault current of 1.95A indefinitely with no dielectric degradation.
- "CS" indicates split center winding.
- 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.