

Transformers

Pulse Transformers

SMD

CPT Series

FEATURES

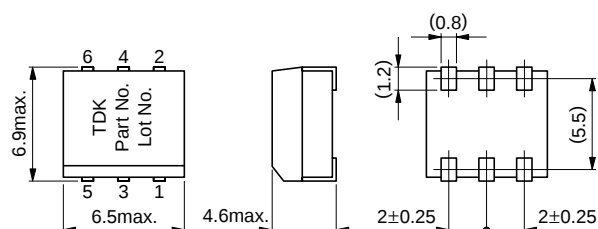
- Employs TDK compact toroidal ferrite cores.
- Transfer molded for highest quality .
- Supports reflow soldering.

SPECIFICATIONS

Insulation resistance		100M Ω min.[DC.100V]
Withstand voltage Edc		100V
Temperature range	Operating	0 to +70°C
	Storage	-55 to +125°C

6 × 6 TYPE

SHAPES AND DIMENSIONS



Weight: 0.5g typ.
Dimensions in mm

WINDING CONFIGURATIONS/PIN NUMBERING

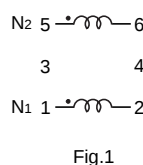


Fig.1

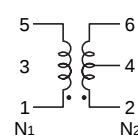


Fig.2



ELECTRICAL CHARACTERISTICS

Part No.	Turns ratio N1:N2	Inductance (μ H) $\pm$ 20% N1	Leakage inductance (μ H)max. [N2 shorted]	Inter-winding capacitance (pF)max. N1 to N2	DC resistance(Ω)max.		ET constant (V- μ s) min.	Fig.
					N1	N2		
CPT11A1	1:1	10	0.2	5	0.3	0.3	0.8	1
CPT11A2	1:1	35	0.2	5	0.4	0.4	1.4	1
CPT11A3	1:1	50	0.2	7	0.4	0.4	1.6	1
CPT11A4	1:1	75	0.2	7	0.4	0.4	1.6	1
CPT11A5	1:1	100	0.2	9	0.5	0.5	1.9	1
CPT12C1	1:2CT*	10	0.2	5	0.3	0.6	0.8	2
CPT12C2	1:2CT	35	0.2	7	0.4	0.8	1.4	2
CPT12C3	1:2CT	50	0.2	10	0.4	0.8	1.6	2
CPT12C4	1:2CT	75	0.2	10	0.4	0.8	1.6	2
CPT12C5	1:2CT	100	0.2	15	0.5	1	1.9	2
CPT14C1	1:4CT	10	0.2	5	0.3	1.2	0.8	2
CPT14C2	1:4CT	35	0.2	9	0.4	1.6	1.4	2
CPT14C3	1:4CT	50	0.2	10	0.4	1.6	1.6	2
CPT14C4	1:4CT	75	0.2	10	0.4	1.6	1.6	2
CPT14C5	1:4CT	100	0.2	15	0.5	2	1.9	2

*CT: Center-tapped

Transformers

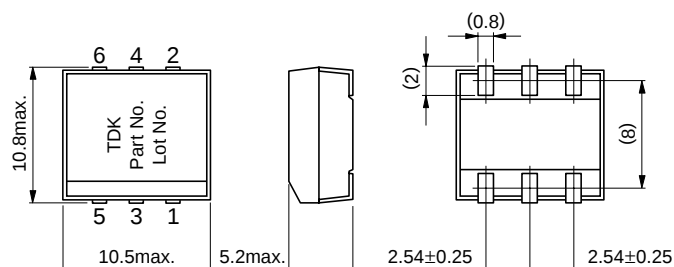
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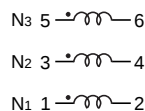
CPT Series

10 ×10 TYPE

SHAPES AND DIMENSIONS



WINDING CONFIGURATIONS/PIN NUMBERING



Weight: 1.2g typ.

Dimensions in mm

ELECTRICAL CHARACTERISTICS

Part No.	Turns ratio N1:N2:N3	Inductance (μ H)±20% N1	Leakage inductance (μ H)max. [N3 shorted]	Inter-winding capacitance (pF)max. N1 to N2	DC resistance(Ω)max.			ET constant (V· μ s) min.
					N1	N2	N3	
CPT11B6	1:1:1	100	0.4	9	0.5	0.5	0.5	4
CPT11B7	1:1:1	350	0.5	16	0.7	0.7	0.7	7
CPT11B8	1:1:1	500	0.6	20	0.8	0.8	0.8	9
CPT11B9	1:1:1	750	0.6	20	0.8	0.8	0.8	9
CPT11B0	1:1:1	1000	0.7	30	0.9	0.9	0.9	10
CPT12B6	1:1:2	100	0.4	9	0.5	0.5	1	4
CPT12B7	1:1:2	350	0.5	18	0.7	0.7	1.4	7
CPT12B8	1:1:2	500	0.6	25	0.8	0.8	1.6	9
CPT12B9	1:1:2	750	0.6	25	0.8	0.8	1.6	9
CPT12B0	1:1:2	1000	0.7	30	0.9	0.9	1.8	10
CPT13B6	1:1:3	100	0.4	9	0.5	0.5	1.5	4
CPT13B7	1:1:3	350	0.5	22	0.7	0.7	2.1	7
CPT13B8	1:1:3	500	0.6	25	0.8	0.8	2.4	9
CPT13B9	1:1:3	750	0.6	25	0.8	0.8	2.4	9
CPT13B0	1:1:3	1000	0.7	30	0.9	0.9	2.7	10

RECOMMENDED REFLOW SOLDERING CONDITIONS

