

107 SERIES PULSE TRANSFORMERS FOR DATA NETWORKING

These toroidal core transformers are fully encapsulated in molded cases with UL94V-0 rating. They are used in digital data processing, line coupling, matching and isolation. Tinned leads with leaded solder is available (note 2)

Ratings

- Peak Voltage : 100V
- Average Power Rating (40°C Rise) : 500 mW
- High Dielectric withstanding Voltage : 1000 Vrms
- Insulation Resistance : 10,000 MegΩ

ELECTRICAL SPECIFICATIONS AT 25°C

Part Number	Turns Ratio (+/-2%)	Primary Inductance (uH Min)	ET Product VμSec (Min)	Leakage Inductance (MAX) μH	Interwinding Capacitance (MAX) pF	DCR PRI/SEC OHM (MAX)	Schematic Figure
PT10710	1:1	5000	25.0	0.70	50.0	1.50	A
PT10711	1:1	2000	20.0	0.60	35.0	1.50	A
PT10712	1:1	1000	15.0	0.45	30.0	0.80	A
PT10713	1:1	500	11.0	0.30	20.0	0.80	A
PT10714	1:1	350	8.0	0.30	16.0	0.50	A
PT10715	1:1	200	7.0	0.25	12.0	0.50	A
PT10716	1:1	100	6.0	0.25	12.0	0.40	A
PT10717	1:1	50	5.5	0.20	10.0	0.40	A
PT10718	1:1	20	4.0	0.20	8.0	0.30	A
PT10719	1:1	10	3.5	0.20	8.0	0.30	A
PT10720	1:1	5000	25.0	0.70	50.0	1.50	B
PT10721	1:1	2000	20.0	0.60	35.0	1.50	B
PT10722	1:1	1000	15.0	0.45	30.0	0.80	B
PT10723	1:1	500	11.0	0.30	20.0	0.80	B
PT10724	1:1	350	8.0	0.30	16.0	0.50	B
PT10725	1:1	200	7.0	0.25	12.0	0.50	B
PT10726	1:1	100	6.0	0.25	12.0	0.40	B
PT10727	1:1	50	5.5	0.20	10.0	0.40	B
PT10728	1:1	20	4.0	0.20	8.0	0.30	B
PT10729	1:1	10	3.5	0.20	8.0	0.30	B

Notes:

1. Alternative values of Inductance, ET-Constant and Turns Ratio are also available.
2. For non-RoHS parts replace DR prefix with 42- (e.g. PT10710 becomes 42-10710)
3. Terminal finish is compliant to RoHS requirements

