

105 SERIES 16 PIN DIL PULSE TRANSFORMERS

Features

- High ET-Product – Allows Long Pulse Width
- Economical Package – 4 Transformers per Package
- Low Leakage Inductance and Interwinding Capacitance for Fast Rise Time
- Tinned Leads with Leaded Solder is Available (note 1)

Rating Range per Package

- Average Power Rating (40°C Rise) : 250 mW
- Dissipation Rating : 75 mW
- Peak Pulse Voltage : 50 Volts
- High Dielectric withstanding Voltage : 200 Vrms
- Insulation Resistance : 10,000 MegΩ

ELECTRICAL SPECIFICATIONS AT 25°C

Part Number	Turns Ratio (+/-5%)	Primary Inductance (uH +/-20%)	ET Product VμSec (Min)	Leakage Inductance (MAX) μH	Interwinding Capacitance (MAX) pF	DCR (MAX) Ohm	
						PRI	SEC
PT10510	1:1	240	8.0	0.45	50	1.00	1.00
PT10511	1:1	110	5.0	0.35	35	0.75	0.75
PT10512	1:1	60	4.0	0.25	30	0.40	0.40
PT10513	1:1	25	2.5	0.20	30	0.30	0.30
PT10514	1:1	12	2.0	0.20	20	0.30	0.30
PT10515	1:1	6	1.4	0.20	20	0.25	0.25
PT10516	2:1	240	8.0	1.20	30	0.65	0.40
PT10517	2:1	110	5.0	0.70	25	0.50	0.30
PT10518	2:1	60	4.0	0.60	20	0.40	0.25
PT10519	2:1	25	2.5	0.55	15	0.30	0.20

Notes:

1. For non-RoHS parts replace DR prefix with 42- (e.g. PT10510 becomes 42-10510)
2. Terminal finish is compliant to RoHS requirements

