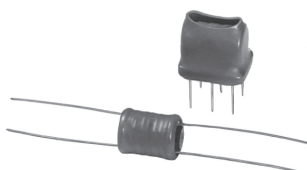


Transformers

Pulse, Trigger Type



FEATURES

- Choice of printed circuit or bobbin-type configurations.
- Designed to transfer high amplitude or long duration pulses without saturation.
- Designed for low-cost trigger source isolation in half and full wave SCR power control circuits, including motor speed controls, heater controls and incandescent lighting controls.

STANDARD ELECTRICAL SPECIFICATIONS

DASH NUMBER	TURNS RATIO	FIGURE	PRIMARY INDUCTANCE MINIMUM (μ H)	LEAKAGE INDUCTANCE MAXIMUM (μ H)	INTERWINDING CAPACITY MAXIMUM (pF)	DCR MAXIMUM (Ohms)	UNIPOLAR ET (V- μ SEC)
101*	1:1 $\pm$ 10%	1/3	200	3	800	1.5-1.5	570
102*	1:1 $\pm$ 10%	1/3	500	6	1500	4.5-4.5	912
103*	1:1 $\pm$ 10%	1/3	1000	12	2000	8-8	1283
104	1:1 $\pm$ 10%	1/3	2000	13	2800	12-12	1853
105	1:1 $\pm$ 10%	1/3	5000	15	3500	18-18	2850
106*	1:1:1 $\pm$ 10%	2/4	200	3	800	2-2-2	570
107	1:1:1 $\pm$ 10%	2/4	500	6	1500	6-6-6	912
108	1:1:1 $\pm$ 10%	2/4	1000	12	2000	10-10-10	1283
109	1:1:1 $\pm$ 10%	2/4	2000*	13	2800	15-15-15	1853
110	1:1:1 $\pm$ 10%	2/4	5000	15	3500	27-27-27	2850
111*	2:1 $\pm$ 10%	1/3	500	6	1000	4-2	912
112*	2:1 $\pm$ 10%	1/3	1000	10	1300	10-2	1288
113	2:1 $\pm$ 10%	1/3	2000	12	1800	10-5	1881
114	2:1 $\pm$ 10%	1/3	5000	15	2400	18-10	2850
115*	2:1:1 $\pm$ 10%	2/4	200	8	700	4-2-2	570
116*	2:1:1 $\pm$ 10%	2/4	500	11	1000	6-2-2	912
117*	2:1:1 $\pm$ 10%	2/4	1000	15	1300	5-2-2	1311
118	2:1:1 $\pm$ 10%	2/4	2000	60	2000	10-5-5	1881
119	2:1:1 $\pm$ 10%	2/4	5000	75	2100	20-10-10	2850
120*	5:1 $\pm$ 10%	1/3	5000	1500	400	19-3	2850
121	5:1:1 $\pm$ 10%	2/4	5000	1500	400	20-4-4	2850

*Standard items in PT-10 Model. Other Dash Numbers available on request. All Dash Numbers standard in PT-20 Model.

ELECTRICAL SPECIFICATIONS

Primary Inductance Values: From 200 μ H to 5000 μ H.

Turns Ratio: 1:1, 1:1:1, 2:1, 2:1:1 and 5:1.

Temperature Range: - 10°C to + 70°C.

Dielectric Test @ 60 Hz: 1600V RMS (Windings to case).

AC Line Voltage @ 60 Hz: 240V RMS maximum in test circuits shown.

MATERIAL SPECIFICATIONS

Bobbin: Nylon.

Leads: Tinned, solderable.

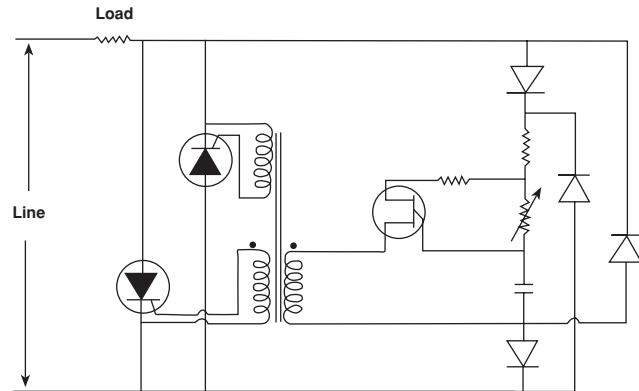
PT-10 = Polyurethane insulated magnet wire for clip or bracket mounting.

PT-20 = Tinned copper 0.025 [0.635]Sq. for printed circuit mounting.

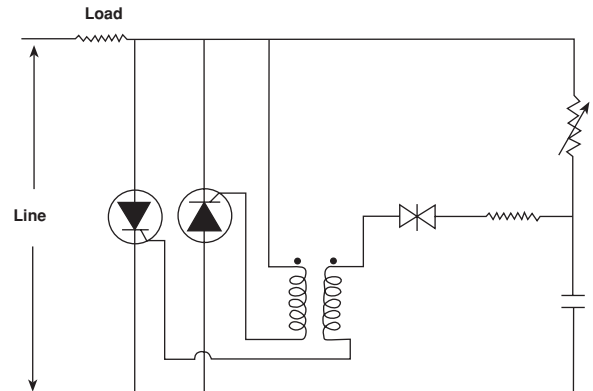
Header: Thermoset plastic.

Covering: Thermoplastic.

CIRCUIT DIAGRAMS



Transformer Coupled Unijunction Transistor Triggering Circuit



Transformer Coupled Breakdown Diode Triggering Circuit

DIMENSIONS in inches (millimeters)

PT-10

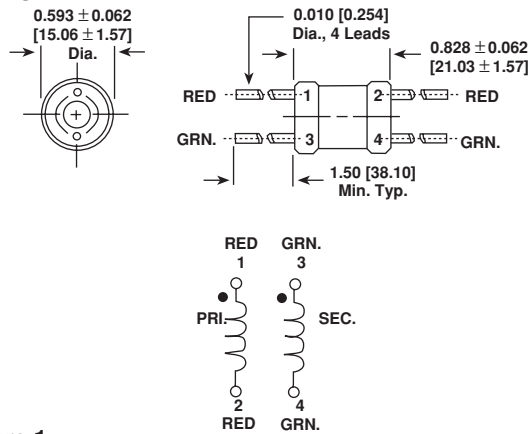


Figure 1

PT-10

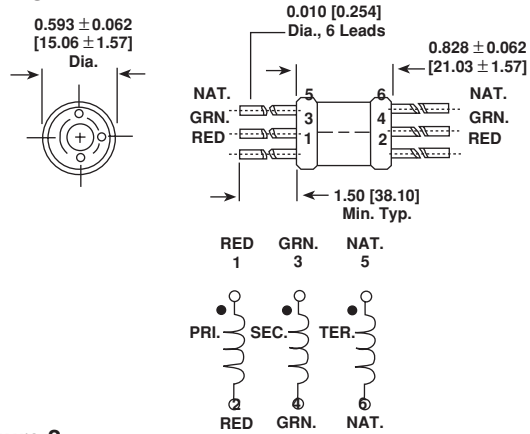


Figure 2

PT-20

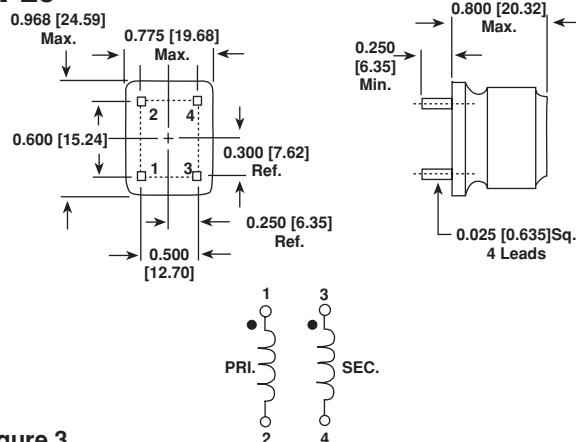


Figure 3

PT-20

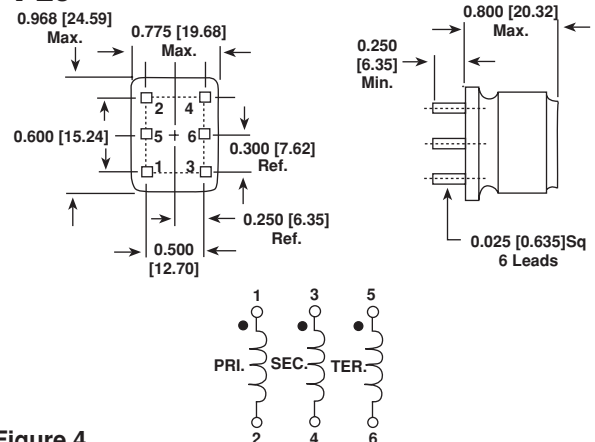


Figure 4

PART MARKING

- Vishay Dale
- Model
- Style
- Dash number

ORDERING INFORMATION

PT	10	101
MODEL	STYLE	DASH NUMBER

Contact factory for special designs not listed.