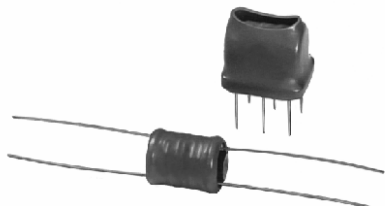


Through-Hole Transformers Pulse, Trigger Type



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
- Compliant to RoHS Directive 2002/95/EC


RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

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

Note

⁽¹⁾ 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 μH to 5000 μH

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

Temperature Range: - 10 °C to + 70 °C

Dielectric Test at 60 Hz: 1600 V_{RMS} (Windings to case)

AC Line Voltage at 60 Hz: 240 V_{RMS} maximum in test circuits shown

MATERIAL SPECIFICATIONS

Bobbin: Nylon

Leads: Tinned, solderable

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

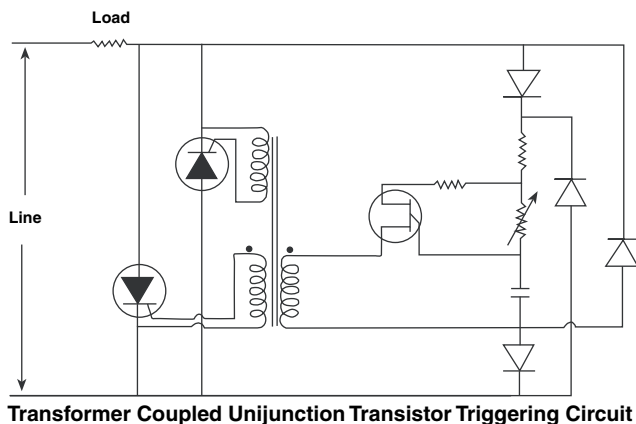
PT-20 = Tinned copper 0.025 [0.635] sq. for printed circuit mounting

Header: Thermoset plastic

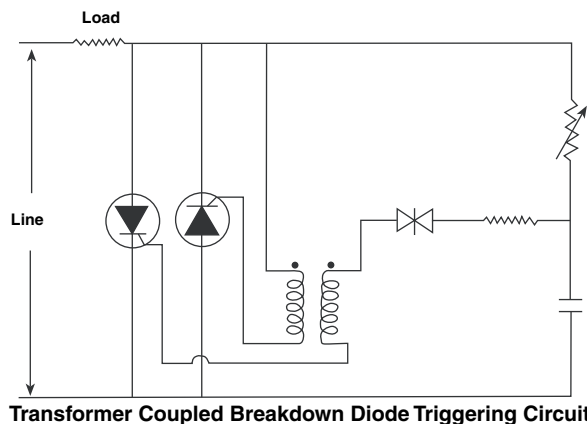
Covering: Thermoplastic



CIRCUIT DIAGRAMS



Transformer Coupled Unijunction Transistor Triggering Circuit



Transformer Coupled Breakdown Diode Triggering Circuit

DIMENSIONS in inches (millimeters)

PT-10

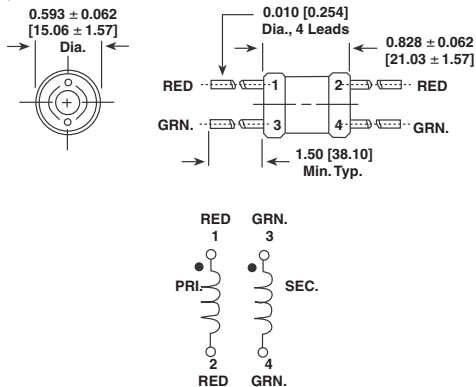


Figure 1

PT-10

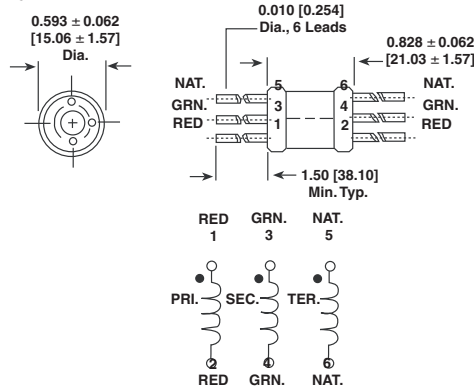


Figure 2

PT-20

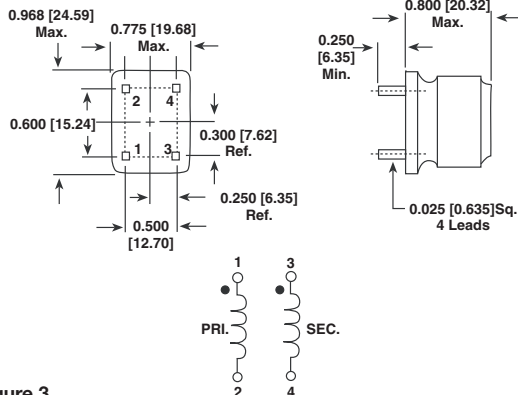


Figure 3

PT-20

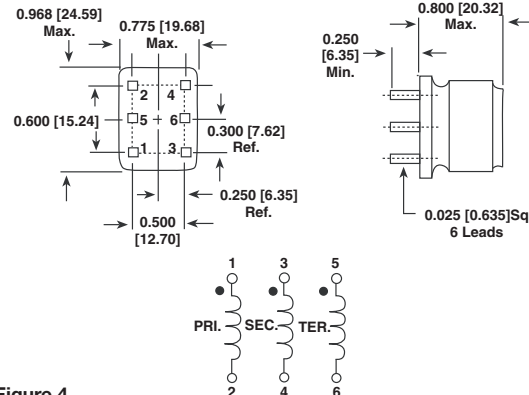


Figure 4

PART MARKING

- Vishay Dale
- Model
- Style
- Dash number



ORDERING INFORMATION

PT
MODEL

10
STYLE

101
DASH NUMBER

EB
PACKAGE CODE

e2
JEDEC LEAD (Pb)-FREE
STANDARD

GLOBAL PART NUMBER

P **T**
MODEL

0 **1** **0**
STYLE

E **B**
PACKAGE
CODE

1 **0** **1**
DASH NUMBER



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