

# 82T - SERIES

## THOUGH HOLE CURRENT SENSE TRANSFORMERS AND INDUCTORS

### FEATURES

- Designed for switching power supply applications.
- Transformer meets IEC950 insulation requirements
- Frequency range from 20KHz TO 200KHz



### TEST CONDITIONS

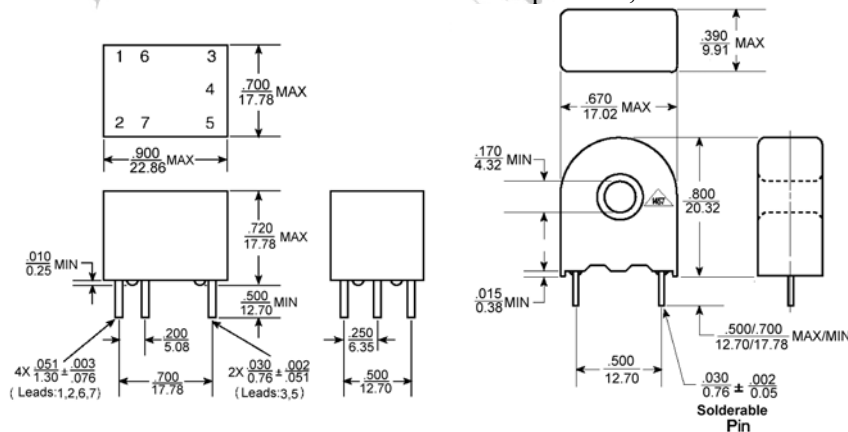
- Inductance 10KHz/500mV

### ELECTRICAL SPECIFICATIONS @25°C-Operating temperature -30°C TO +130°C

| Part Number | Schematic Figure | Turns (ns) | Secondary Inductance (mH) Min | Secondary Inductance Test Voltage (15.75KHz) | RS (Ω) Max | RT (Ω) NOM | Primary Unipolar AMP (μsec) Rating Max | Primary Bipolar AMP (μsec) Rating Max |
|-------------|------------------|------------|-------------------------------|--|------------|------------|--|---------------------------------------|
| 82T-502A    | A                | 50         | 5.0                           | 0.5  | 0.7        | 50         | 150                                    | 300                                   |
| 82T-203A    | A                | 100        | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803A    | A                | 200        | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-502B    | B                | 50CT       | 5.0                           | 0.5  | 0.7        | 50         | 150                                    | 300                                   |
| 82T-203B    | B                | 100CT      | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803B    | B                | 200CT      | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-184B    | B                | 300CT      | 180.0                         | 3.0  | 11.0       | 300        | 900                                    | 1800                                  |
| 82T-203C    | C                | 100        | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803C    | C                | 200        | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-502D    | D                | 50CT       | 5.0                           | 0.5  | 0.7        | 50         | 150                                    | 300                                   |
| 82T-203D    | D                | 100CT      | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803D    | D                | 200CT      | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-502E    | E                | 50         | 5.0                           | 0.5  | 0.7        | 50         | 150                                    | 300                                   |
| 82T-203E    | E                | 100        | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803E    | E                | 200        | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-502F    | F                | 50CT       | 5.0                           | 0.5  | 0.7        | 50         | 150                                    | 300                                   |
| 82T-203F    | F                | 100CT      | 20.0                          | 1.0  | 1.40       | 100        | 300                                    | 600                                   |
| 82T-803F    | F                | 200CT      | 80.0                          | 2.0  | 4.50       | 200        | 600                                    | 1200                                  |
| 82T-184F    | F                | 300CT      | 180.0                         | 3.0  | 11.0       | 300        | 900                                    | 1800                                  |

### MARKINGS AND DIMENSIONS

Dimensions: inches/mm unless otherwise specified, all tolerances are ±.005/±0.13



### SCHEMATICS

