

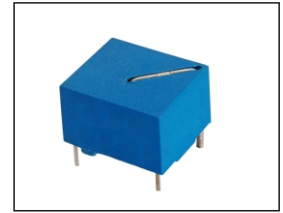
## CURRENT SENSE TRANSFORMER

### FEATURES:

- \* Current sense transformers provide output feedback to the pulse control circuitry allowing low-cost regulation of switch-mode power supplies
- \* 25A Rated primary current(40A Max)
- \* 500kHz maximum frequency

### APPLICATIONS:

- \* switch-mode power supplies
- \* lighting
- \* switch controls



**Electrical specification @25°C Operating temperature: -40°C to +125°C**

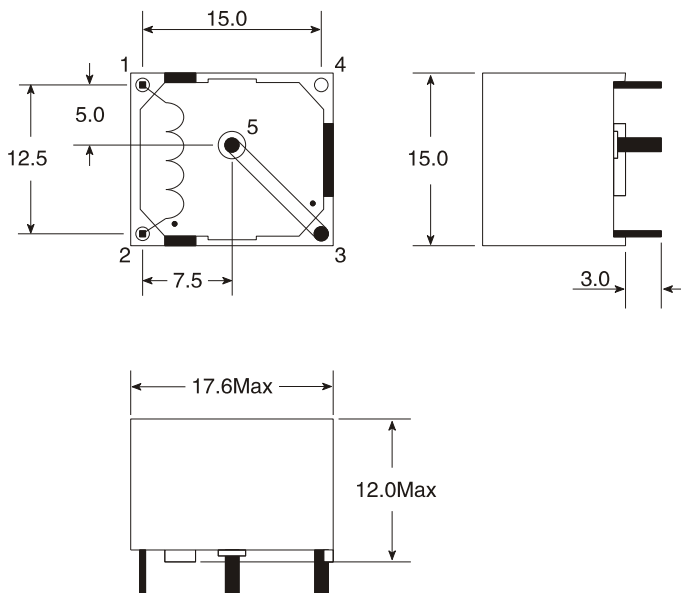
| Part No. | Prim/Sec Ratio | Sec L (mH MIN) | Sec DCR (MAX) | V x T (MAX) |
|----------|----------------|----------------|---------------|-------------|
| CT1751   | 1:50           | 4.7            | 0.5           | 175PVS      |
| CT1752   | 1:100          | 18             | 2.0           | 350PVS      |
| CT1753   | 1:200          | 76             | 4.5           | 700PVS      |
| CT1754   | 1:500          | 470            | 16.0          | 1750PVS     |
| CT1755   | 1:1000         | 1900           | 50.0          | 3500PVS     |

### NOTES:

L: Inductance:(2-1)tested at 10KHz&10mV  
 $V \times T : V = R_t \times I_s$   $T = 1/2F$

$R_t(\Omega)$ : Recommended terminating resistance  
 $I_s(A)$ : Sec. current  $F(Hz)$ : Frequency

### Mechanical

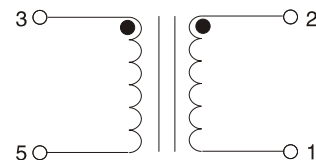


Pin3&5:  $\phi$  1.2mm

Pin1&2:  $\phi$  0.5mm

Unless otherwise specified,all tolerance are  $\pm 0.5$

### Schematic



- Insulation resistance: 500V DC >100M $\Omega$
- Hi-Pot : 4000V 1mA 60S
- Temperature range: -25°C to +85°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.