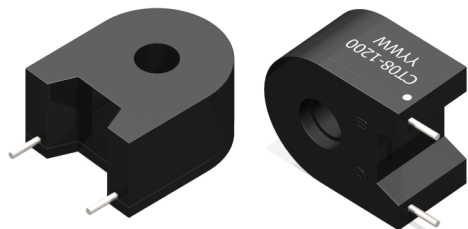


# CT08-1200

## Tombstone Current Sense Transformer



### FEATURES

- Rated to 50A
- PCB Mount
- High Current Density
- Frequency Range of 47Hz to 4.0kHz

### APPLICATIONS

- Switching Power Supplies
- Motor Controls

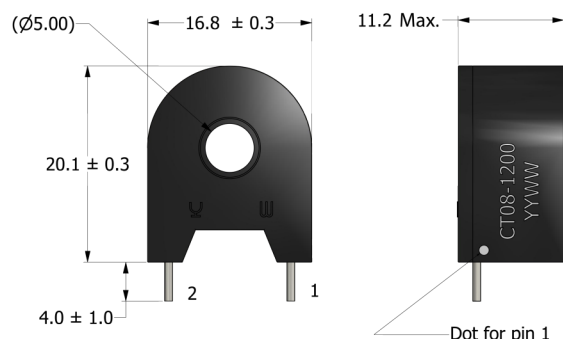
### PACKAGING

Pieces/Tray: 66

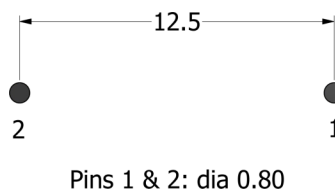
Trays/Box: 10

Pieces/Box: 660

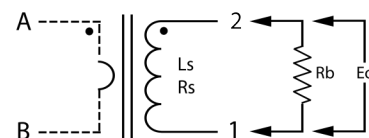
### Mechanical Drawing



### Footprint



### Schematic



TOP VIEW

Unit: mm

### Electrical Specifications

- Secondary Turns: 1,200
- Current Range: Up to 50A
- Hi-Pot: 3,750 Vac Pri:Sec (60Hz, 1mA, 1 min.)
- Operating Temp. Range: -40°C to +130°C
- Secondary Inductance (Ls): 10H min.
- Secondary DCR (Rs): 40 Ohms max.
- E-T Rating: 3,000 V-uSec at 100°C (Bi-Polar Only)
- Electrical specifications at 25°C
- Frequency Range: 47Hz to 4.0kHz

$I_p$	Terminating Resistor	$E_o$
10	80	0.667
20	40	0.667
50	16	0.667

### Material Specifications

- Meets UL94V-0
- Material Rating: Meets requirements for UL Class B temperature rating. Ambient + Temp. Rise + Hot Spot Allowance  $\leq 130^\circ\text{C}$

$E-T = (E_o * 1/f)/2$  (for bipolar only);  
 $E_o = I_p (R_b/TR)$  where as,

$E_o$  = Output Voltage  
 $R_b$  = Term. Resistor  
 $f$  = Frequency  
 $I_p$  = Primary Current  
 $TR$  = Turns Ratio



Specifications subject to change without prior notice.