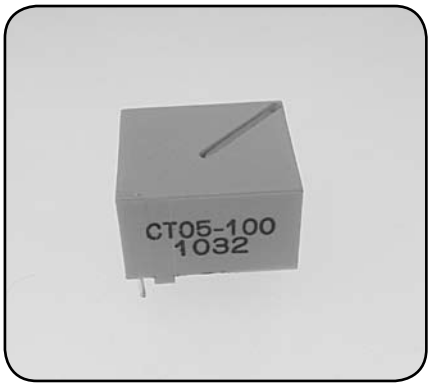
CT05 Series
Current Sense Transformer

ice components

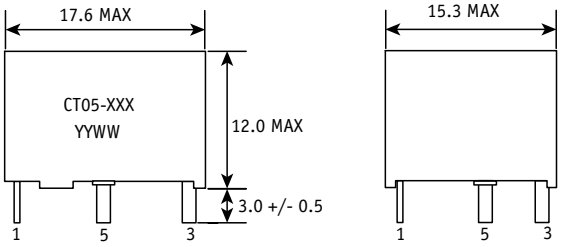


FEATURES
-Full Selection of Turns Ratios
-Primary Current (Ip) Rated for 25A
-Frequency Range up to 500kHz
-Compact Package

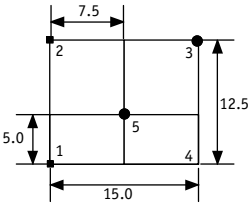
APPLICATIONS
-DC/DC Converters
-AC/DC Converters

PACKAGING
-Pcs/Tray:	108
-Trays/Box:	12
-Pcs/Box:	1296

Mechanical
Dimensions in mm

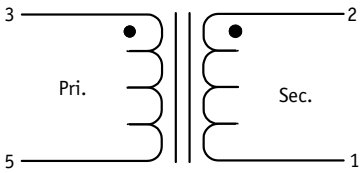


Footprint



Pin 1&2: sq. 0.5
Pin 3&5: dia. 1.2

Schematic



Electrical Specifications

Part Number	Turns Ratio (Np:Ns)	Sec. Ls[1] (mH, min.)	Sec. DCR (Ω, max.)	ET[5] (V-μS max.)	Hi-Pot
CT05-050	1:50	4.7	0.50	175	4,000
CT05-100	1:100	18.0	2.0	350	4,000
CT05-200	1:200	76.0	4.5	700	4,000
CT05-500	1:500	470	16.0	1750	4,000
CT05-1000	1:1000	1900	50.0	3500	4,000

1. Tested @ 10kHz, 0.1Vrms
   -1000 tested @ 1kHz, 0.1Vrms
2. Electrical specifications at 25°C.
3. Operating temperature range: -40°C to +130°C.
4. Meets UL 94V-0.
5. ET rating is based on a bipolar waveform

Output Voltage and ET Rating Formulas

Rb (Ω): Terminating Resistance
F (HZ): Freq
Es (V): Ouptut Voltage
ET rating is based on a bipolar waveform

$$Es = Ip * Rb / Ns$$
$$ET = Es * 1/2F$$

RoHS

Specifications subject to change without notice.