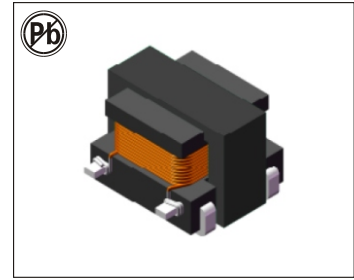


# Current Sense Transformer

## ACSTE4.4 SERIES



### FEATURES:

- Very low DC resistance
- Different turns ratios
- Very small package
- 500Vrms, one minute isolation (hipot) between windings
- Sensed Current – primary rated for 7 Amps

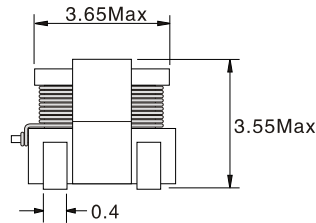
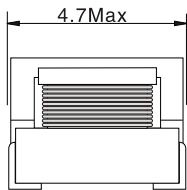
### APPLICATIONS:

- Switching power supplies
- Feedback control
- Overload sensing
- Load drop/Shut down detection

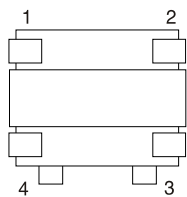
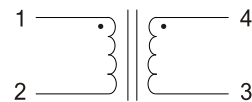
## ELECTRICAL SPECIFICATIONS:

Part No.	Turns ratio	Ls (uH, Min) 100KHz, 0.1V	Rp (Ω, Max)	Rs (Ω, Max)	Sensed Current (A)
ACSTE4.4-200	1:20	33	0.003	0.35	7
ACSTE4.4-300	1:30	74	0.003	0.8	7
ACSTE4.4-400	1:40	132	0.003	1.6	7
ACSTE4.4-500	1:50	205	0.003	2.5	7
ACSTE4.4-600	1:60	295	0.003	3.6	7
ACSTE4.4-700	1:70	400	0.003	4.6	7
ACSTE4.4-101	1:100	820	0.003	9.5	7
ACSTE4.4-121	1:125	1280	0.003	13.0	7
ACSTE4.4-151	1:150	1800	0.003	21.0	7

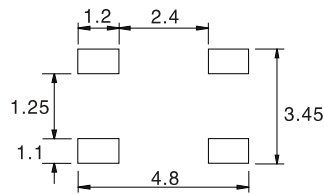
## MECHANICAL: Unit:mm



Schematic



Bottom view



Recommended PCB layout

## NOTES

1. Primary current of 7 A causes less than 35°C temperature rise from 25°C ambient. Higher current causes a greater temperature rise
2. Operating temperature : -40°C to 125°C
3. Storage temperature Component: -40°C to +125°C
4. Inductance measured between secondary pins at 100kHz, 0.1 Vrms, 0 Adc
5. Measuring Frequency: @50KHz to 1MHz
6. Electrical specifications at 25°C
7. Inductance measured at 0Adc on HP 4284A LCR Meter or equivalent
8. DCR measured on Chroma 16502 micro-ohmmeter or equivalent

Specifications subject to change without notice