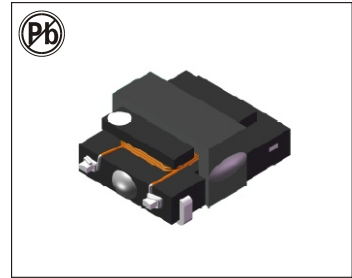


Current Sense Transformer

ACSTE4.6 SERIES



FEATURES:

- Very low DC resistance
- Different turns ratios
- Very small package
- 500Vrms, one minute isolation (hipot) between windings
- Sensed Current – primary rated for 20 Amps

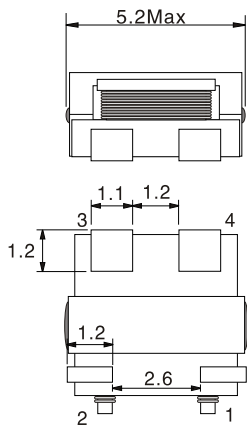
APPLICATIONS:

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

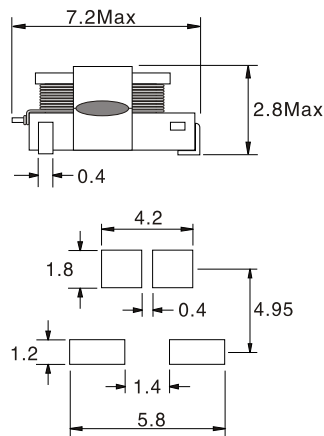
ELECTRICAL SPECIFICATIONS:

Part No.	Turns ratio	Ls (uH, Min) 100KHz, 0.1V	Rp (Ω, Max)	Rs (Ω, Max)	Sensed Current (A)
ACSTE4.6-200	1:20	53	0.0015	0.42	9
ACSTE4.6-500	1:50	333	0.0015	2.76	9
ACSTE4.6-700	1:70	652	0.0015	5.04	9
ACSTE4.6-101	1:100	1330	0.0015	10.68	9
ACSTE4.6-151	1:150	2993	0.0015	22.30	9

MECHANICAL: Unit:mm

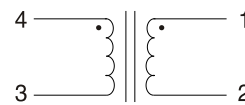


Bottom view



Recommended PCB layout

Schematic



NOTES

- 1.Primary current of 9 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

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