

ACST90 Series Current transformer



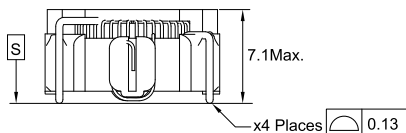
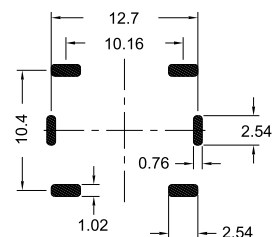
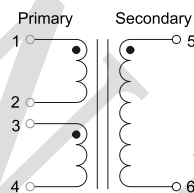
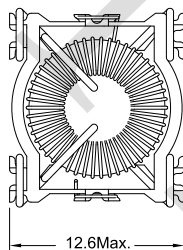
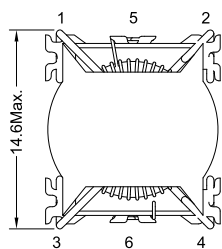
Features

- ◆ Primary current rating 15A
- ◆ 50, 100, & 200 turn variants
- ◆ Primary to secondary isolation 1000Vrms
- ◆ 50kHz-500kHz frequency range
- ◆ Surface mount
- ◆ Industry-standard footprint
- ◆ UL94 V-0 package materials

Mechanical

Schematic

Recommended PCB Layout



Unless otherwise stated, all dimensions in mm ± 0.25

Electrical Specifications

Part Number	Turns Ratio	Min Secondary inductance	Max. DC Resistance		Isolation voltage Pri-Sec	Terminating resistance to produce 1 Vout/1Aw $\pm 0.1\%$
			Pri(1,3-2,4)	Sec(5-6)		
		mH	m Ω	m Ω	Vrms	Ω
ACST901	1:1:50	3.8	2.3	350	1000	50
ACST902	1:1:100	14.8	2.3	850	1000	100
ACST903	1:1:200	60..0	2.3	3600	1000	200

Absolute maximum ratings

Operating free air temperature range: -40°C to 125°C

Storage temperature range: -40°C to 140°C