

DATA SHEET

20A Current Sense Transformer

By **Tech Power** electronics



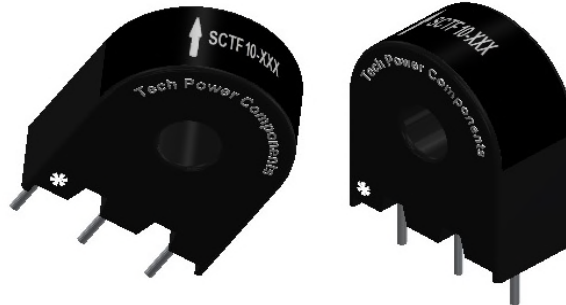
PN : SCTF10-XXX 50, 100, 200 & 300 turns

Features

- 50, 100, 200 & 300 turns versions
- Primary current rating : 20A Max
- 20kHz - 200kHz frequency range
- Center tapped versions available
- Fully encapsulated

Applications

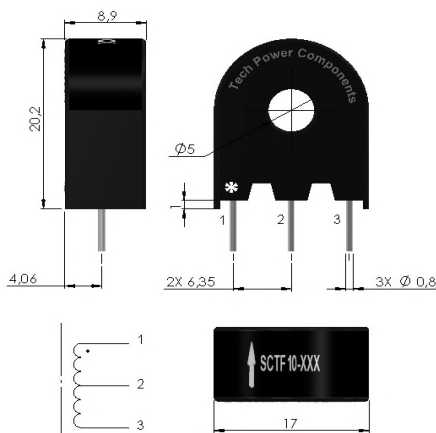
- Switched-mode power supplies
- Motor control
- Electronic lighting ballasts



ELECTRICAL DATA (Ta = 25°C)

P/N	Number of turns	Secondary Inductance	Secondary DC Resistance	RT to produce 1V _{OUT} /1A _{IN}	Product Vsec * TON
	± 1 Turn	Pins 1&3, mH Min	Pins 1&3, Ω Max	Ω	VμS Max
SCTF10-50	50	5	0,2	50	175
SCTF10-100	100	20	1,4	100	350
SCTF10-200	200	80	2,8	200	700
SCTF10-300	300	180	8,6	300	1050
SCTF10-100T	100CT	20	1,4	100	350
SCTF10-200T	200CT	80	2,8	200	700
SCTF10-300T	300CT	180	8,6	300	1050
Operating temperature range			-40°C to +85°C		
Storage temperature range			-40°C to +125°C		

MECHANICAL CHARACTERISTICS



- Arrow designates direction of Primary current in phase with pin 1 (identified by * on box)
- Pin 2 is fitted only on center tapped versions
- Isolation Pri to Sec : 2500 Vac min
- Unless otherwise stated, all dimensions in mm ± 0,25