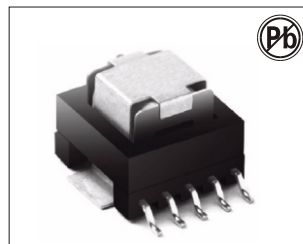


SMT CURRENT SENSE TRANSFORMERS

ACST12 40A SEIRES



FEATURES:

- Height: 10mm Max
- Footprint: 19.9mm X 15.0mm Max
- Frequency range: 50KHz to 500KHz
- Current rating: up to 40A
- Operating temperature: -40°C to +130°C

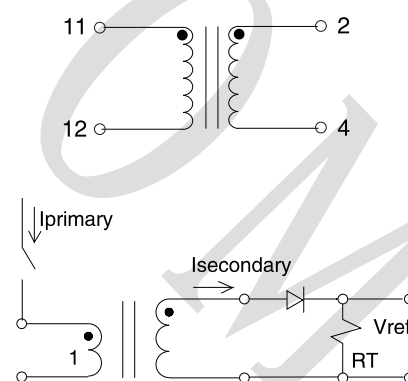
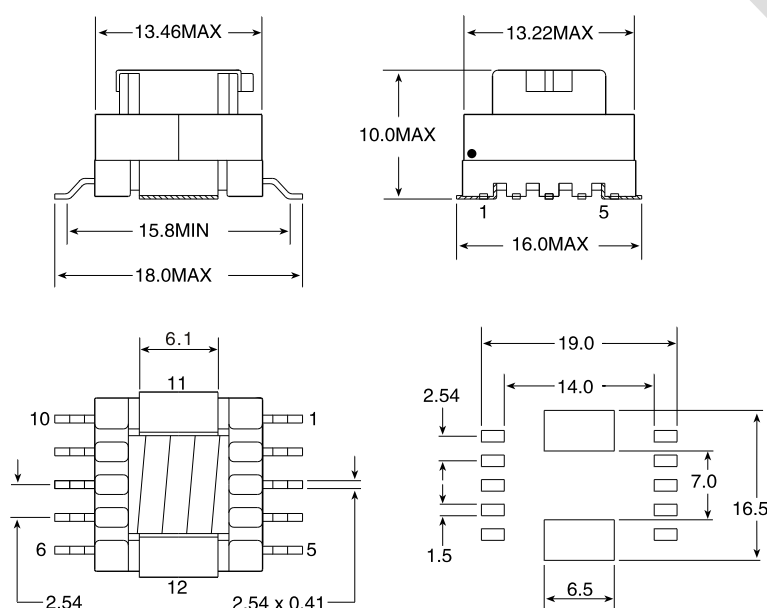
ELECTRICAL CHARACTERISTICS:

Part Number	Turns ratio	Sec. Inductance (mH) 10KHz,0.1V	DCR		Hi-Pot (Vrms)
			Pri (mΩ)Max	Sec (Ω)Max	
ACSTE12-200	1:20	0.34min.	0.36	0.18	500
ACSTE12-300	1:30	0.76min.	0.36	0.265	500
ACSTE12-400	1:40	1.36min.	0.36	0.56	500
ACSTE12-500	1:50	2.12min.	0.36	0.705	500
ACSTE12-600	1:60	3.06min.	0.36	0.85	500
ACSTE12-700	1:70	4.16min.	0.36	1.0	500
ACSTE12-800	1:80	5.44min.	0.36	1.15	500
ACSTE12-101	1:100	8.50min.	0.36	1.45	500
ACSTE12-121	1:125	13.3min.	0.36	1.85	500
ACSTE12-151	1:150	19.2min.	0.36	2.25	500
ACSTE12-201	1:200	34.0min.	0.36	4.06	500

1. The temperature of component (ambient temperature plus temper-aturerise) must be within the specified operating temperature range.
2. The maximum current rating is based upon temperature rise of the component and represents the DC current which will cause a typical temperature rise of 40°C with no airflow when both one turn windings connected in parallel.

PHYSICAL CHARACTERISTICS & WINDING

Dimension: mm



APPLICATION CIRCUIT

Weight..... 4.7g
Tray..... 100/tray
Tape&Reel..... 300/reel

Unless otherwise specified, all tolerances are $\pm 0.25\text{mm}$