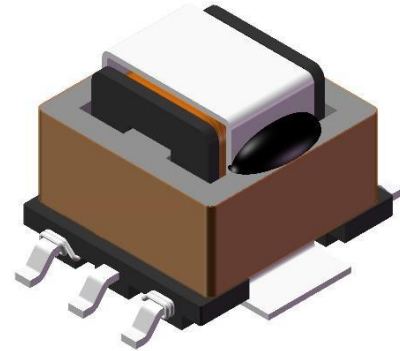


SMTEE8.3 SERIES

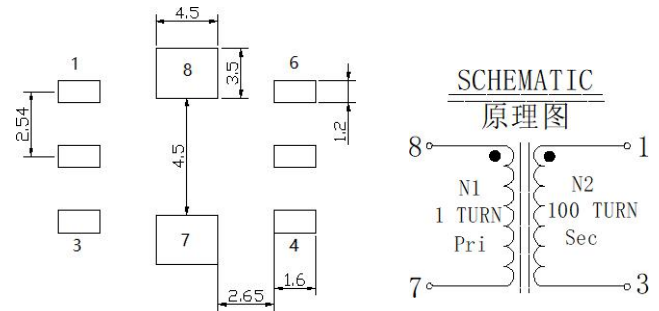
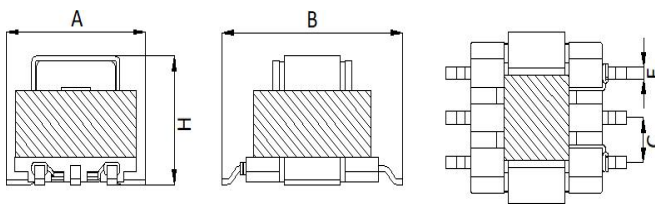
High Frequency Current Sensing Transformers

Applications :

- . Power supply for VTRs.
- . Small surface mount current sensors
- . Sensed current up to 15A; Frequency range up to 1MHz
- . Very low primary DC resistance
- . 1.5KV AC/3mA / 1S isolation (hipot) between windings
- . LCD televisions 、 Notebook PCs. 、 Portable communication equipment.、 DC/DC converters,m etc.



Shape and Dimensions (Dimensions are in mm) :



Item	A Max.	B Max.	H Max.
SMTEE8.3	11.0	13.0	7.8

Item	C	E
SMTEE8.3	2.52	0.7

Features :

- . High Current – primary rated for 15 Amps.
- . Designed for automatic pick and place.
- . Operating Frequency Range up to 100KHz.
- . Low profile – height 7.8mm maximum.

Characteristics :

- . Surface mount board assembly process applicable
- . Designed for switch power supply application
- . Special design available on customer request

Product Identification :

SMT EE 8.3 - 100T - 1T

1 2 3 4

- (1) Type : **Surface Mountable Type.**
- (2) Style : **EE** Core with , **8.3** is size.
- (3) Secondary Turn: 100Ts:
- (4) Primary Turn : 1Ts.

Test equipments :

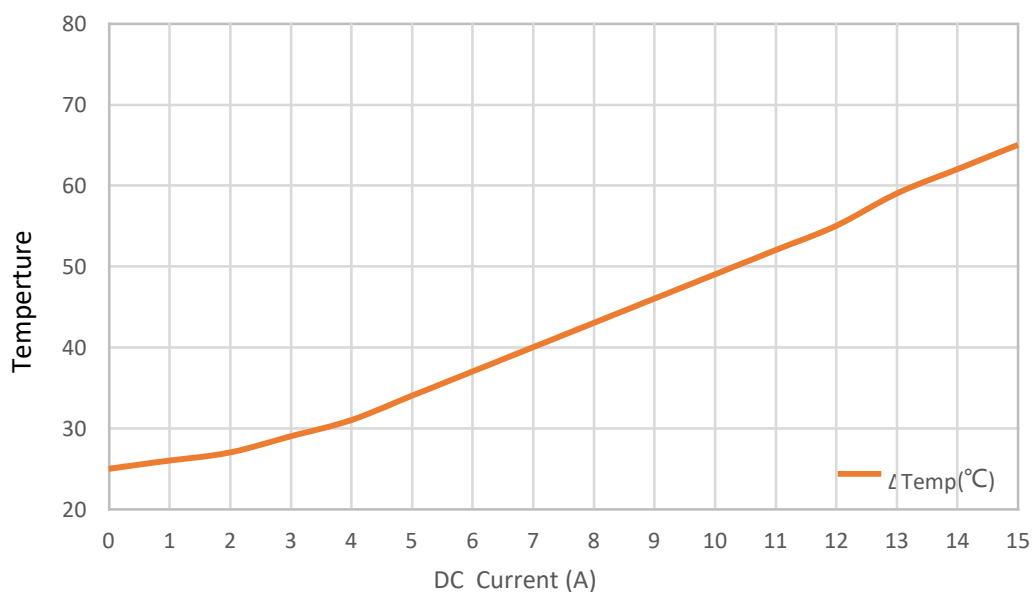
Inductance measured at 0Adc on HP 4284A LCR
Meter or equivalent

DCR Measured on Chroma 16502 micro-ohmmeter
or equivalent

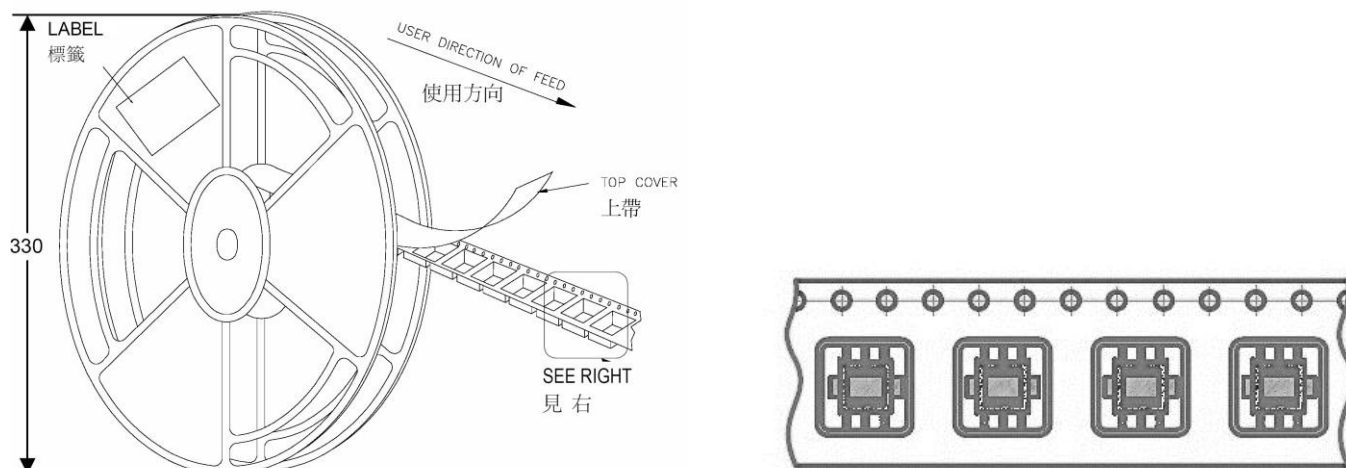
SMTEE8.3 series : Electrical Specifications at 25°C

Part NO.	L (mH) min	DCR max (Ω)		Primary Current Typ(A)	Turns ratio Sec: Pri
		Seco ndary	Primary		
SMTEE8.3-20T-1T	0.22	0.21	0.0039	15.0	20:1
SMTEE8.3-30T-1T	0.50	0.32	0.0039	15.0	30:1
SMTEE8.3-40T-1T	0.88	0.50	0.0039	15.0	40:1
SMTEE8.3-50T-1T	1.40	0.65	0.0039	15.0	50:1
SMTEE8.3-60T-1T	2.00	0.81	0.0039	15.0	60:1
SMTEE8.3-70T-1T	2.70	1.00	0.0039	15.0	70:1
SMTEE8.3-80T-1T	3.50	1.30	0.0039	15.0	80:1
SMTEE8.3-100T-1T	5.60	2.00	0.0039	15.0	100:1
SMTEE8.3-125T-1T	8.70	5.20	0.0039	15.0	125:1
SMTEE8.3-150T-1T	12.60	6.50	0.0039	15.0	150:1
SMTEE8.3-200T-1T	22.00	8.00	0.0039	15.0	200:1

● **SMTEE8.3 series : Temperature Rise VS Current(25°C)**

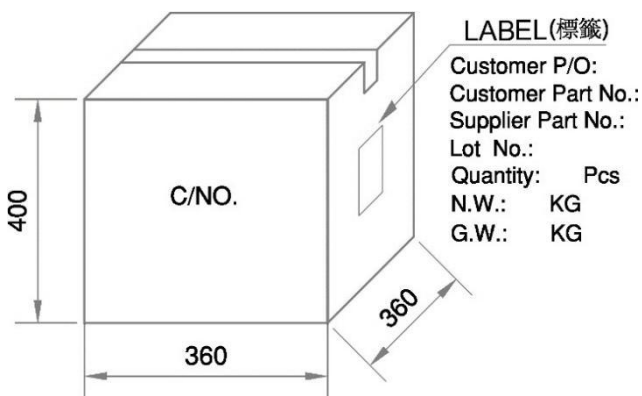
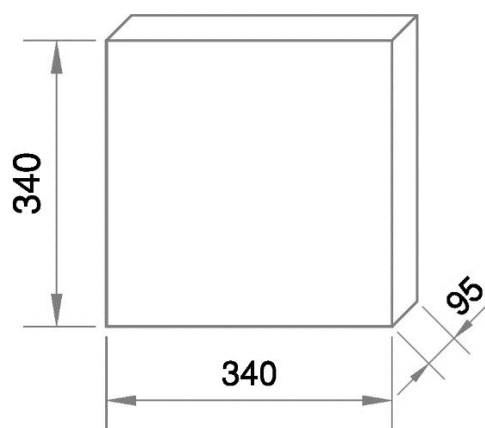


● **SMTEE8.3 series: INSIDE PACKAGING**



Notes of insidepacking: Each reel: 350 pcs

Outside Packaging:



Small carton: 1050 PCS ; Outer carton: 4200 PCS ; NW(净重): KG ; GW.(总重): KG