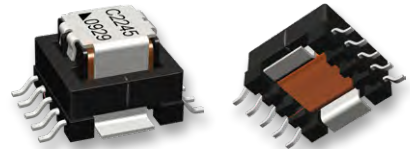




Sample Kit

# SMT Current Sense Transformers

EE 12.6 Core Series – B82801C



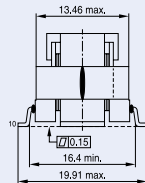
[www.tdk-electronics.tdk.com](http://www.tdk-electronics.tdk.com)

## Current Sense Transformers - EE 12.6 Core (SMT)

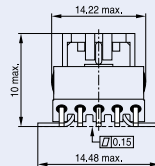
Turns ratio	Np : Ns	1 : 50	1 : 100	1 : 150	1 : 200
$L_{\min}$	$\mu\text{H}$	1.4	5.6	12.6	22.4
Voltage-time product	$V \cdot \mu\text{s}$	124	248	372	496
DC resistance $R_{\max}$	primary $\text{m}\Omega$	0.28	0.28	0.28	0.28
DC resistance $R_{\max}$	secondary $\text{m}\Omega$	400	1000	2200	2900
Ordering code	B82801*	C0145A050	C0565A100	C1265A150	C2245A200

### Technical data

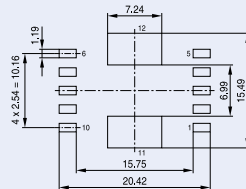
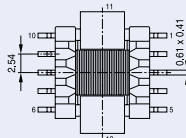
- All values measured at +25 °C ambient temperature
- Frequency range: 50 kHz ... 500 kHz
- Sensed current: The max. primary current of 40 A causes approx. +40 °C temperature rise
- Operating temperature range: -40 °C ... +125 °C
- Tape and reel packing: 32 mm blister tape, 330 mm reel
- Packing units: 200 pcs./reel; 800 pcs./carton



Bottom View



Recommended PCB layout (Top View)

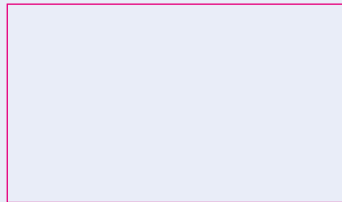


ND1254-Z-E

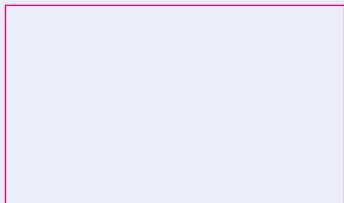
1:50



1:100



1:150



1:200

