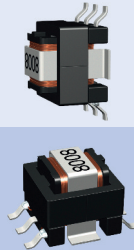
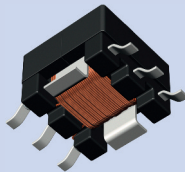
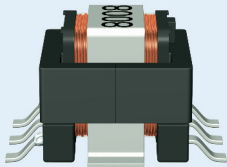


EPCOS Sample Kit 2015

# SMT Current Sense Transformers

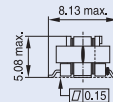
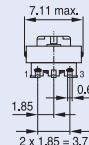
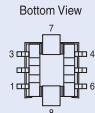
EE 5.0 Core Series – B82801B



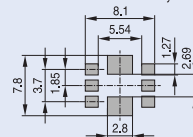
## Current Sense Transformers - EE 5.0 Core (SMT)

Turns ratio	Np : Ns	1 : 20	1 : 30	1 : 40	1 : 50	1 : 60
L <sub>min</sub>	μH	80	180	320	500	720
Voltage-time product	V*μs	10.0	15.0	20.0	25.0	30.0
Ordering code	B82801	B0803A020	B0184A030	B0324A040	B0504A050	B0724A060
Turns ratio	Np : Ns	1 : 70	1 : 100	1 : 125	1 : 200	
L <sub>min</sub>	μH	980	2000	3000	8000	
Voltage-time product	V*μs	35.0	50.0	62.5	100.0	
Ordering code	B82801	B0984A070	B0205A100	B0305A125	B0925A200	

- All values measured at +25 °C ambient temperature
- Frequency range: 50 kHz ... 1 MHz
- Sensed current: The max. primary current of 20 A causes approx. +40 °C temperature rise
- Operating temperature range: -40 °C ... +125 °C
- Tape and reel packing: 16 mm blister tape, 330 mm reel
- Packing units: 900 pcs./reel; 7200 pcs./carton

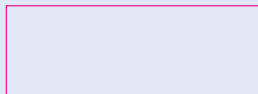


Recommended PCB layout

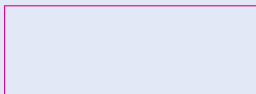


IND1143-FE

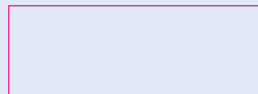
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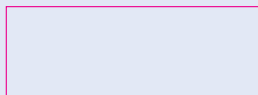
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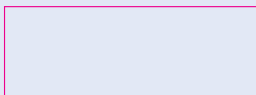
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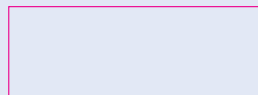
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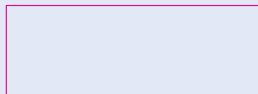
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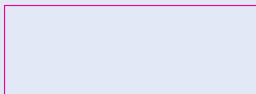
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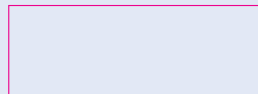
1:100



1:125



1:200



**Important information:** It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.