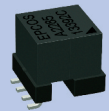
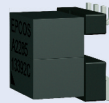
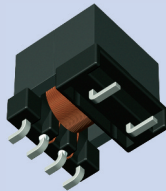
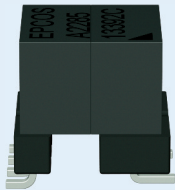


EPCOS Sample Kit 2016

# SMT Current Sense Transformers

EP 7 Core Series – B78417X1



## SMT Current Sense Transformers - EP 7 Core

Turns ratio	Np : Ns	1 : 50	1 : 70	1 : 100	1 : 125
$L_{\min}$ (5-4)	mH	1.7	3.0	7.0	11.0
Voltage-time product +120 °C	V* $\mu$ s	116	163	233	291
$C_p$	pF	4	4	4	4
$R_{\max}$ (1-2)	m $\Omega$	1.9	1.9	1.9	1.9
$R_{\max}$ (4-5)	$\Omega$	2.1	2.9	5.0	5.3
Recommended $R_T$	$\Omega$	50	70	100	125
Ordering code	B78417A	2285A003	2286A003	2185A003	2287A003

- All values specified at +25 °C if not mentioned otherwise, all values without tolerance are typical values
- Typical frequency range: 50 kHz ... 250 kHz
- Sensed current:  $I_{\text{prim}}$ , RMS  $\leq$  20 A
- Operating temperature range: -40 °C ... +150 °C (component)
- Tape and reel packing: 24 mm blister tape, 330 mm reel
- Packing units: 320 pcs./reel; 1600 pcs./carton
- Qualified to AEC-Q200
- RoHS compatible
- UL 1446 class 155 (F) electrical insulation system 