



EPCOS Sample Kit 2014

# Chip Inductors

SIMID 1812-C, B82432X002



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## SMT Inductors – SIMID 1812-C

<b>L<sub>R</sub></b>	<b>μH</b>	<b>1.0</b>	<b>1.5</b>	<b>1.8</b>	<b>2.2</b>	<b>3.3</b>	<b>3.9</b>	<b>4.7</b>	<b>6.8</b>
Q <sub>min</sub>		40	40	40	40	40	40	40	40
f <sub>L</sub>	MHz	1	1	1	1	1	1	1	1
f <sub>Q</sub>	MHz	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96
I <sub>R</sub>	mA	600	535	490	480	425	410	390	360
R <sub>max</sub>	Ω	0.28	0.35	0.41	0.43	0.55	0.59	0.65	0.78
f <sub>res, min</sub>	MHz	200	120	100	90	60	50	40	35
Ord. code	B82432	C1102K000	C1152K000	C1182K000	C1222K000	C1332K000	C1392K000	C1472K000	C1682K000
<b>L<sub>R</sub></b>	<b>μH</b>	<b>8.2</b>	<b>10</b>	<b>15</b>	<b>18</b>	<b>22</b>	<b>33</b>	<b>39</b>	<b>47</b>
Q <sub>min</sub>		40	40	30	30	30	30	30	30
f <sub>L</sub>	MHz	1	1	0.1	0.1	0.1	0.1	0.1	0.1
f <sub>Q</sub>	MHz	7.96	7.96	2.52	2.52	2.52	2.52	2.52	2.52
I <sub>R</sub>	mA	330	320	280	270	260	230	220	210
R <sub>max</sub>	Ω	0.92	0.98	1.25	1.35	1.45	1.85	2.05	2.30
f <sub>res, min</sub>	MHz	30	28	21	18	16	13	12	12
Ord. code	B82432	C1822K000	C1103K000	C1153K000	C1183K000	C1223K000	C1333K000	C1393K000	C1473K000
<b>L<sub>R</sub></b>	<b>μH</b>	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>330</b>	<b>470</b>	<b>680</b>	<b>1000</b>
Q <sub>min</sub>		30	30	30	30	30	30	30	30
f <sub>L</sub>	MHz	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
f <sub>Q</sub>	MHz	2.52	0.796	0.796	0.796	0.796	0.796	0.796	0.796
I <sub>R</sub>	mA	190	145	130	115	85	75	65	55
R <sub>max</sub>	Ω	2.80	4.70	6.10	7.50	14.1	17.5	25.0	32.0
f <sub>res, min</sub>	MHz	10	8	7	6	4.5	4	3.3	2.8
Ord. code	B82432	C1683K000	C1104K000	C1154K000	C1224K000	C1334K000	C1474K000	C1684K000	C1105K000

SIMID® is a registered trademark. Tolerance: K<sub>A</sub> ± 10%. Additional values upon request.



1.0  $\mu\text{H}$



1.5  $\mu\text{H}$



1.8  $\mu\text{H}$



2.2  $\mu\text{H}$



3.3  $\mu\text{H}$



3.9  $\mu\text{H}$



4.7  $\mu\text{H}$



6.8  $\mu\text{H}$



8.2  $\mu\text{H}$



10  $\mu\text{H}$



15  $\mu\text{H}$



18  $\mu\text{H}$



22  $\mu\text{H}$



33  $\mu\text{H}$



39  $\mu\text{H}$



47  $\mu\text{H}$



68  $\mu\text{H}$



100  $\mu\text{H}$



150  $\mu\text{H}$



220  $\mu\text{H}$



330  $\mu\text{H}$



470  $\mu\text{H}$



680  $\mu\text{H}$



1000  $\mu\text{H}$

**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.