

EPCOS Sample Kit 2014

# Chip Inductors

SIMID 0603-C, B82496X001



## SMT Inductors – SIMID 0603-C

<b>L<sub>R</sub></b>	<b>nH</b>	<b>1.5</b>	<b>1.8</b>	<b>2.2</b>	<b>2.7</b>	<b>3.3</b>	<b>3.9</b>	<b>4.7</b>	<b>5.6</b>
Q <sub>typ</sub> (at 800 MHz)		50	50	50	40	40	40	40	40
f <sub>L</sub>	MHz	100	100	100	100	100	100	100	100
I <sub>R</sub>	mA	1500	1500	1500	1400	1200	1100	800	700
R <sub>max</sub>	Ω	0.03	0.033	0.035	0.04	0.06	0.065	0.10	0.15
f <sub>res, min</sub>	MHz	13000	12000	10000	10000	9000	8000	7000	6000
Ord. code	B82496	C3159A	C3189A	C3229A	C3279A	C3339A	C3399J	C3479J	C3569J
<b>L<sub>R</sub></b>	<b>nH</b>	<b>6.8</b>	<b>8.2</b>	<b>10</b>	<b>12</b>	<b>15</b>	<b>18</b>	<b>22</b>	<b>27</b>
Q <sub>typ</sub> (at 800 MHz)		40	40	40	40	40	40	40	35
f <sub>L</sub>	MHz	100	100	100	100	100	100	100	100
I <sub>R</sub>	mA	700	650	600	450	420	400	380	360
R <sub>max</sub>	Ω	0.15	0.18	0.20	0.35	0.40	0.45	0.50	0.55
f <sub>res, min</sub>	MHz	6000	6000	5000	5000	4500	4000	4000	3000
Ord. code	B82496	C3689J	C3829J	C3100J	C3120J	C3150J	C3180J	C3220J	C3270J
<b>L<sub>R</sub></b>	<b>nH</b>	<b>33</b>	<b>39</b>	<b>47</b>	<b>56</b>	<b>68</b>	<b>82</b>	<b>100</b>	<b>220</b>
Q <sub>typ</sub> (at 800 MHz)		35	35	35	35	35	35	30	25
f <sub>L</sub>	MHz	100	100	100	100	100	100	100	25.2
I <sub>R</sub>	mA	350	300	270	250	230	220	200	110
R <sub>max</sub>	Ω	0.60	0.80	0.95	1.2	1.3	1.5	1.8	7.0
f <sub>res, min</sub>	MHz	3000	2500	2500	2500	2000	2000	1800	1300
Ord. code	B82496	C3330J	C3390J	C3470J	C3560J	C3680J	C3820J	C3101J	C3221J

SIMID® is a registered trademark. Tolerance: A Δ ±0.3 nH, J Δ ±5%. Additional values upon request.



1.5 nH



1.8 nH



2.2 nH



2.7 nH



3.3 nH



3.9 nH



4.7 nH



5.6 nH



6.8 nH



8.2 nH



10 nH



12 nH



15 nH



18 nH



22 nH



27 nH



33 nH



39 nH



47 nH



56 nH



68 nH



82 nH



100 nH



220 nH

**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.

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