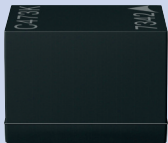




EPCOS Sample Kit 2014

Chip Inductors

SIMID 1812-C, B82432X002



www.epcos.com

SMT Inductors – SIMID 1812-C

L_R	μH	1.0	1.5	1.8	2.2	3.3	3.9	4.7	6.8
Q _{min}		40	40	40	40	40	40	40	40
f _L	MHz	1	1	1	1	1	1	1	1
f _Q	MHz	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96
I _R	mA	600	535	490	480	425	410	390	360
R _{max}	Ω	0.28	0.35	0.41	0.43	0.55	0.59	0.65	0.78
f _{res, min}	MHz	200	120	100	90	60	50	40	35
Ord. code	B82432	C1102K000	C1152K000	C1182K000	C1222K000	C1332K000	C1392K000	C1472K000	C1682K000
L_R	μH	8.2	10	15	18	22	33	39	47
Q _{min}		40	40	30	30	30	30	30	30
f _L	MHz	1	1	0.1	0.1	0.1	0.1	0.1	0.1
f _Q	MHz	7.96	7.96	2.52	2.52	2.52	2.52	2.52	2.52
I _R	mA	330	320	280	270	260	230	220	210
R _{max}	Ω	0.92	0.98	1.25	1.35	1.45	1.85	2.05	2.30
f _{res, min}	MHz	30	28	21	18	16	13	12	12
Ord. code	B82432	C1822K000	C1103K000	C1153K000	C1183K000	C1223K000	C1333K000	C1393K000	C1473K000
L_R	μH	68	100	150	220	330	470	680	1000
Q _{min}		30	30	30	30	30	30	30	30
f _L	MHz	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
f _Q	MHz	2.52	0.796	0.796	0.796	0.796	0.796	0.796	0.796
I _R	mA	190	145	130	115	85	75	65	55
R _{max}	Ω	2.80	4.70	6.10	7.50	14.1	17.5	25.0	32.0
f _{res, min}	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_A ± 10%. Additional values upon request.



1.0 μH



1.5 μH



1.8 μH



2.2 μH



3.3 μH



3.9 μH



4.7 μH



6.8 μH



8.2 μH



10 μH



15 μH



18 μH



22 μH



33 μH



39 μH



47 μH



68 μH



100 μH



150 μH



220 μH



330 μH



470 μH



680 μH



1000 μH

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.