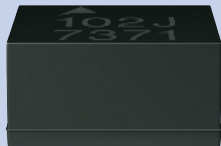


EPCOS Sample Kit 2012

# Chip Inductors

SIMID 1210-100, B82422X100



## SMT Inductors – SIMID 1210-100

$L_R$	$\mu\text{H}$	0.015	0.022	0.033	0.047	0.068	0.10	0.15	0.22
$Q_{\min}$		27	30	20	26	27	25	25	25
$f_L$	MHz	10	10	10	10	10	10	1	1
$f_Q$	MHz	100	100	50	50	50	50	30	30
$I_R$	mA	640	600	540	510	480	440	390	280
$R_{\max}$	$\Omega$	0.12	0.14	0.17	0.19	0.21	0.26	0.33	0.64
$f_{\text{res, min}}$	MHz	3000	2500	1700	1350	1150	1000	850	700
Ord. code	B82422	A3150K100	A3220K100	A3330K100	A3470K100	A3680K100	A3101K100	A3151K100	A3221K100
$L_R$	$\mu\text{H}$	0.33	0.47	0.68	1.0	1.5	2.2	3.3	4.7
$Q_{\min}$		22	22	22	20	20	25	27	27
$f_L$	MHz	1	1	1	1	1	1	1	1
$f_Q$	MHz	30	30	30	7.96	7.96	7.96	7.96	7.96
$I_R$	mA	200	150	145	380	340	270	200	150
$R_{\max}$	$\Omega$	1.3	2.2	2.4	0.34	0.50	0.75	1.20	2.20
$f_{\text{res, min}}$	MHz	580	480	280	320	270	125	110	110
Ord. code	B82422	A3331K100	A3471K100	A3681K100	A1102K100	A1152K100	A1222K100	A1332K100	A1472K100
$L_R$	$\mu\text{H}$	6.8	10	15	22	33	47	68	100
$Q_{\min}$		27	27	27	27	27	27	27	27
$f_L$	MHz	1	1	0.1	0.1	0.1	0.1	0.1	0.1
$f_Q$	MHz	7.96	2.52	2.52	2.52	2.52	2.52	2.52	2.52
$I_R$	mA	135	180	165	140	105	85	80	65
$R_{\max}$	$\Omega$	2.80	1.60	1.85	2.65	4.50	7.00	7.70	11.5
$f_{\text{res, min}}$	MHz	90	25	20	16	13	11	9	7
Ord. code	B82422	A1682K100	A1103K100	A1153K100	A1223K100	A1333K100	A1473K100	A1683K100	A1104K100

SIMID® is a registered trademark. Tolerance:  $K \pm 10\%$ . Additional values upon request.



0.015  $\mu\text{H}$



0.022  $\mu\text{H}$



0.033  $\mu\text{H}$



0.047  $\mu\text{H}$



0.068  $\mu\text{H}$



0.10  $\mu\text{H}$



0.15  $\mu\text{H}$



0.22  $\mu\text{H}$



0.33  $\mu\text{H}$



0.47  $\mu\text{H}$



0.68  $\mu\text{H}$



1.0  $\mu\text{H}$



1.5  $\mu\text{H}$



2.2  $\mu\text{H}$



3.3  $\mu\text{H}$



4.7  $\mu\text{H}$



6.8  $\mu\text{H}$



10  $\mu\text{H}$



15  $\mu\text{H}$



22  $\mu\text{H}$



33  $\mu\text{H}$



47  $\mu\text{H}$



68  $\mu\text{H}$



100  $\mu\text{H}$

**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.