

EPCOS Sample Kit 2012

# Chip Inductors

SIMID 2220-T, B82442X002



## SMT Inductors – SIMID 2220-T

<b>L<sub>R</sub></b>	<b>μH</b>	<b>1.0</b>	<b>4.7</b>	<b>10</b>	<b>22</b>
Q <sub>min</sub>		15	15	15	15
f <sub>L</sub> ; f <sub>Q</sub>	MHz	7.96	7.96	2.52	2.52
I <sub>R</sub>	mA	3510	1950	1420	1040
R <sub>max</sub>	Ω	0.025	0.073	0.132	0.238
f <sub>res, min</sub>	MHz	111	30	19	13
Ordering code	B82442T	1102M050	1472M050	1103K050	1223K050
<b>L<sub>R</sub></b>	<b>μH</b>	<b>47</b>	<b>100</b>	<b>220</b>	<b>470</b>
Q <sub>min</sub>		15	20	20	20
f <sub>L</sub> ; f <sub>Q</sub>	MHz	2.52	0.796	0.796	0.796
I <sub>R</sub>	mA	700	510	330	240
R <sub>max</sub>	Ω	0.519	0.990	2.210	4.730
f <sub>res, min</sub>	MHz	8.0	6.1	3.9	2.6
Ordering code	B82442T	1473K050	1104K050	1224K050	1474K050
<b>L<sub>R</sub></b>	<b>μH</b>	<b>1000</b>	<b>2200</b>	<b>4700</b>	<b>10000</b>
Q <sub>min</sub>		30	30	30	25
f <sub>L</sub> ; f <sub>Q</sub>	MHz	0.252	0.252	0.252	0.0796
I <sub>R</sub>	mA	150	100	73	46
R <sub>max</sub>	Ω	9.500	22.50	48.60	112
f <sub>res, min</sub>	MHz	1.8	1.2	0.8	0.5
Ordering code	B82442T	1105K050	1225K050	1475K050	1106K050

SIMID® is a registered trademark · Tolerance: K = ±10%, M = ±20%; intermediate values on request



1.0  $\mu\text{H}$



4.7  $\mu\text{H}$



10  $\mu\text{H}$



22  $\mu\text{H}$



47  $\mu\text{H}$



100  $\mu\text{H}$



220  $\mu\text{H}$



470  $\mu\text{H}$



1000  $\mu\text{H}$



2200  $\mu\text{H}$



4700  $\mu\text{H}$



10000  $\mu\text{H}$

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