



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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EPCOS Sample Kit 2012

# Chip Inductors

SIMID 2220-T, B82442X002



[www.epcos.com](http://www.epcos.com)

## 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  $\mu\text{H}$

**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.