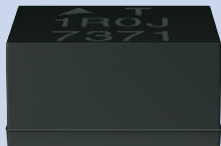


EPCOS Sample Kit 2012

# Chip Inductors

SIMID 1210-T, B82422X001



## SMT Inductors – SIMID 1210-T

| <b>L<sub>R</sub></b>            | <b>μH</b> | <b>0.015</b> | <b>0.022</b> | <b>0.033</b> | <b>0.047</b> | <b>0.068</b> | <b>0.10</b> | <b>0.15</b> | <b>0.22</b> |
|---------------------------------|-----------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|
| Q <sub>min</sub>                |           | 19           | 23           | 25           | 26           | 27           | 28          | 30          | 30          |
| f <sub>L</sub> ; f <sub>Q</sub> | MHz       | 100          | 100          | 100          | 100          | 100          | 100         | 25.2        | 25.2        |
| I <sub>R</sub>                  | mA        | 450          | 450          | 450          | 450          | 450          | 450         | 450         | 450         |
| R <sub>max</sub>                | Ω         | 0.13         | 0.16         | 0.18         | 0.20         | 0.23         | 0.31        | 0.18        | 0.20        |
| f <sub>res, min</sub>           | MHz       | 3000         | 2000         | 1700         | 1300         | 1000         | 900         | 700         | 500         |
| Ord. code                       | B82422    | T3150K       | T3220K       | T3330K       | T3470K       | T3680K       | T3101K      | T1151K      | T1221K      |
| <b>L<sub>R</sub></b>            | <b>μH</b> | <b>0.33</b>  | <b>0.47</b>  | <b>0.68</b>  | <b>1.0</b>   | <b>1.5</b>   | <b>2.2</b>  | <b>3.3</b>  | <b>4.7</b>  |
| Q <sub>min</sub>                |           | 30           | 30           | 30           | 30           | 30           | 30          | 30          | 30          |
| f <sub>L</sub> ; f <sub>Q</sub> | MHz       | 25.2         | 25.2         | 25.2         | 7.96         | 7.96         | 7.96        | 7.96        | 7.96        |
| I <sub>R</sub>                  | mA        | 450          | 450          | 450          | 400          | 370          | 320         | 260         | 220         |
| R <sub>max</sub>                | Ω         | 0.23         | 0.30         | 0.34         | 0.6          | 0.7          | 0.8         | 1.2         | 1.5         |
| f <sub>res, min</sub>           | MHz       | 500          | 400          | 300          | 300          | 200          | 100         | 60          | 50          |
| Ord. code                       | B82422    | T1331K       | T1471K       | T1681K       | T1102K       | T1152K       | T1222K      | T1332K      | T1472K      |
| <b>L<sub>R</sub></b>            | <b>μH</b> | <b>6.8</b>   | <b>10</b>    | <b>15</b>    | <b>22</b>    | <b>33</b>    | <b>47</b>   | <b>68</b>   | <b>100</b>  |
| Q <sub>min</sub>                |           | 27           | 27           | 27           | 27           | 27           | 27          | 27          | 20          |
| f <sub>L</sub> ; f <sub>Q</sub> | MHz       | 7.96         | 2.52         | 2.52         | 2.52         | 2.52         | 2.52        | 2.52        | 0.796       |
| I <sub>R</sub>                  | mA        | 180          | 150          | 130          | 110          | 70           | 60          | 60          | 60          |
| R <sub>max</sub>                | Ω         | 1.8          | 2.1          | 2.8          | 3.5          | 5.6          | 7.0         | 9.0         | 11          |
| f <sub>res, min</sub>           | MHz       | 40           | 30           | 20           | 20           | 17           | 15          | 9           | 8           |
| Ord. code                       | B82422    | T1682K       | T1103K       | T1153K       | T1223K       | T1333K       | T1473K      | T1683K      | T1104K      |

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