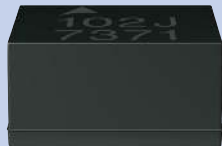


EPCOS Sample Kit 2012

Chip Inductors

SIMID 1210-100, B82422X100



SMT Inductors – SIMID 1210-100

| L_R | μH | 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} | Ω | 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 | μH | 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} | Ω | 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 | μH | 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} | Ω | 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 μH



0.022 μH



0.033 μH



0.047 μH



0.068 μH



0.10 μH



0.15 μH



0.22 μH



0.33 μH



0.47 μH



0.68 μH



1.0 μH



1.5 μH



2.2 μH



3.3 μH



4.7 μH



6.8 μH



10 μH



15 μH



22 μH



33 μH



47 μH



68 μH



100 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.