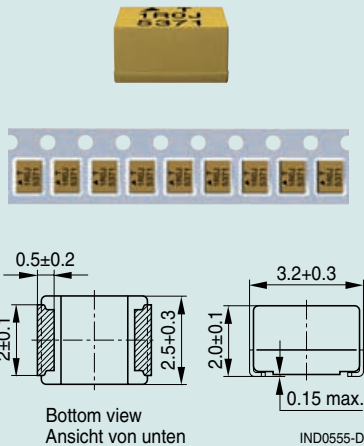


SMT Inductors

SMT-Induktivitäten

SIMID 1210-T



- Size 1210 (EIA) and/or 3225 (IEC)
- Core material: ceramics or ferrite
- RoHS-compatible (see page 112)

Climatic category: 55/125/56
 Terminals: Lead-free tinned
 Solderability: Reflow soldering, wave soldering
 Marking: Manufacturer and series mark, L value (μH , coded), tolerance (coded), manufacturing date (coded)
 Delivery mode: 8-mm blister tape, reel packing

Packing unit:
 180-mm reel = 2000 pcs.
 330-mm reel = 8000 pcs.

Sample kit available (see page 6).
 Ordering code: B82422X001

- Baugröße 1210 (EIA) bzw. 3225 (IEC)
- Kernmaterial: Keramik oder Ferrit
- RoHS-kompatibel (siehe Seite 112)

Klimakategorie: 55/125/56
 Anschlüsse: Bleifrei verzinkt
 Lötbarkeit: Reflowlöten, Wellenlöten
 Beschriftung: Hersteller, Typ-Kennzeichnung, L-Wert (μH , codiert), Toleranz (codiert), Herstellungsdatum (codiert)
 Lieferform: Blistergurt 8 mm, Rollenverpackung

VE:
 Rolle 180 mm = 2000 Stück
 Rolle 330 mm = 8000 Stück

Mustersortiment lieferbar (s. Seite 6).
 Bestellnummer: B82422X001

| L_R $\mu\text{H}^1)$ | Tolerance ¹⁾ Toleranz ¹⁾ | Q_{\min} | f_L, f_Q MHz | I_R mA | R_{\max} Ω | $f_{\text{res, min}}$ MHz | Ordering code ²⁾³⁾ Bestellnummer ²⁾³⁾ (Reel/Rolle \varnothing 180 mm) |
|--|---|------------|-------------------|-------------|------------------------|------------------------------|---|
| Core material: ceramics / Kernmaterial: Keramik | | | | | | | |
| 0.010 | $\pm 5\% \cong J$ | 15 | 100 | 450 | 0.10 | 4000 | B82422T3100+000 |
| 0.012 | $\pm 10\% \cong K$ | 17 | 100 | 450 | 0.11 | 3500 | B82422T3120+000 |
| 0.015 | | 19 | 100 | 450 | 0.13 | 3000 | B82422T3150+000 |
| 0.018 | | 21 | 100 | 450 | 0.14 | 2000 | B82422T3180+000 |
| 0.022 | | 23 | 100 | 450 | 0.16 | 2000 | B82422T3220+000 |
| 0.027 | | 23 | 100 | 450 | 0.17 | 1700 | B82422T3270+000 |
| 0.033 | | 25 | 100 | 450 | 0.18 | 1700 | B82422T3330+000 |
| 0.039 | | 25 | 100 | 450 | 0.19 | 1300 | B82422T3390+000 |
| 0.047 | | 26 | 100 | 450 | 0.20 | 1300 | B82422T3470+000 |
| 0.056 | | 26 | 100 | 450 | 0.21 | 1100 | B82422T3560+000 |
| 0.068 | | 27 | 100 | 450 | 0.23 | 1000 | B82422T3680+000 |
| 0.082 | | 27 | 100 | 450 | 0.26 | 1000 | B82422T3820+000 |
| 0.10 | | 28 | 100 | 450 | 0.31 | 900 | B82422T3101+000 |
| Core material: ferrite / Kernmaterial: Ferrit | | | | | | | |
| 0.12 | $\pm 5\% \cong J$ | 30 | 25.2 | 450 | 0.15 | 900 | B82422T1121+000 |
| 0.15 | $\pm 10\% \cong K$ | 30 | 25.2 | 450 | 0.18 | 700 | B82422T1151+000 |
| 0.18 | | 30 | 25.2 | 450 | 0.19 | 500 | B82422T1181+000 |
| 0.22 | | 30 | 25.2 | 450 | 0.20 | 500 | B82422T1221+000 |
| 0.27 | | 30 | 25.2 | 450 | 0.21 | 500 | B82422T1271+000 |
| 0.33 | | 30 | 25.2 | 450 | 0.23 | 500 | B82422T1331+000 |
| 0.39 | | 30 | 25.2 | 450 | 0.25 | 400 | B82422T1391+000 |
| 0.47 | | 30 | 25.2 | 450 | 0.30 | 400 | B82422T1471+000 |
| 0.56 | | 30 | 25.2 | 450 | 0.31 | 300 | B82422T1561+000 |
| 0.68 | | 30 | 25.2 | 450 | 0.34 | 300 | B82422T1681+000 |
| 0.82 | | 30 | 25.2 | 450 | 0.38 | 300 | B82422T1821+000 |
| 1.0 | | 30 | 7.96 | 400 | 0.6 | 300 | B82422T1102+000 |
| 1.2 | | 30 | 7.96 | 390 | 0.7 | 250 | B82422T1122+000 |
| 1.5 | | 30 | 7.96 | 370 | 0.7 | 200 | B82422T1152+000 |
| 1.8 | | 30 | 7.96 | 350 | 0.8 | 140 | B82422T1182+000 |

SMT Inductors

SMT-Induktivitäten

SIMID 1210-T



| L_R $\mu H^1)$ | Tolerance ¹⁾ Toleranz ¹⁾ | Q_{min} | $f_L; f_Q$ MHz | I_R mA | R_{max} Ω | $f_{res, min}$ MHz | Ordering code ²⁾³⁾ Bestellnummer ²⁾³⁾ (Reel/Rolle \varnothing 180 mm) |
|---------------------|---|-----------|-------------------|-------------|-----------------------|-----------------------|---|
| 2.2 | $\pm 5\% \cong J$ | 30 | 7.96 | 320 | 0.8 | 100 | B82422T1222+000 |
| 2.7 | $\pm 10\% \cong K$ | 30 | 7.96 | 290 | 0.9 | 70 | B82422T1272+000 |
| 3.3 | | 30 | 7.96 | 260 | 1.2 | 60 | B82422T1332+000 |
| 3.9 | | 30 | 7.96 | 250 | 1.3 | 60 | B82422T1392+000 |
| 4.7 | | 30 | 7.96 | 220 | 1.5 | 50 | B82422T1472+000 |
| 5.6 | | 27 | 7.96 | 200 | 1.6 | 45 | B82422T1562+000 |
| 6.8 | | 27 | 7.96 | 180 | 1.8 | 40 | B82422T1682+000 |
| 8.2 | | 27 | 7.96 | 170 | 2.0 | 35 | B82422T1822+000 |
| 10 | | 27 | 2.52 | 150 | 2.1 | 30 | B82422T1103+000 |
| 12 | | 27 | 2.52 | 140 | 2.5 | 25 | B82422T1123+000 |
| 15 | | 27 | 2.52 | 130 | 2.8 | 20 | B82422T1153+000 |
| 18 | | 27 | 2.52 | 120 | 3.0 | 20 | B82422T1183+000 |
| 22 | | 27 | 2.52 | 110 | 3.5 | 20 | B82422T1223+000 |
| 27 | | 27 | 2.52 | 80 | 4.5 | 20 | B82422T1273+000 |
| 33 | | 27 | 2.52 | 70 | 5.6 | 17 | B82422T1333+000 |
| 39 | | 27 | 2.52 | 65 | 6.4 | 16 | B82422T1393+000 |
| 47 | | 27 | 2.52 | 60 | 7.0 | 15 | B82422T1473+000 |
| 56 | | 27 | 2.52 | 60 | 8.0 | 12 | B82422T1563+000 |
| 68 | | 27 | 2.52 | 60 | 9.0 | 9 | B82422T1683+000 |
| 82 | | 25 | 2.52 | 60 | 10 | 9 | B82422T1823+000 |
| 100 | | 20 | 0.796 | 60 | 11 | 8 | B82422T1104+000 |
| 120 | | 20 | 0.796 | 60 | 12 | 8 | B82422T1124+000 |
| 150 | | 20 | 0.796 | 50 | 17 | 7 | B82422T1154+000 |
| 180 | | 20 | 0.796 | 50 | 18 | 7 | B82422T1184+000 |
| 220 | | 20 | 0.796 | 45 | 22 | 6 | B82422T1224+000 |
| 270 | | 20 | 0.796 | 40 | 28 | 5 | B82422T1274+000 |
| 330 | | 20 | 0.796 | 40 | 34 | 4 | B82422T1334+000 |

1) Closer tolerances and special versions upon request. / Engere Toleranzen und Sonderbauformen auf Anfrage.

2) +: Replace by code letter for the required inductance tolerance.

+ : Ersetzen durch Kennbuchstaben für die gewünschte Induktivitätstoleranz.

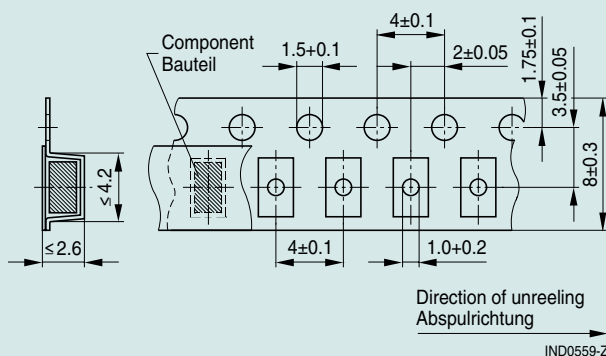
3) For reel size \varnothing 330 mm the last digit has to be an »8«. Example: B82422T3100K008

Für Rollengröße \varnothing 330 mm ist die letzte Kennziffer eine »8«. Beispiel: B82422T3100K008

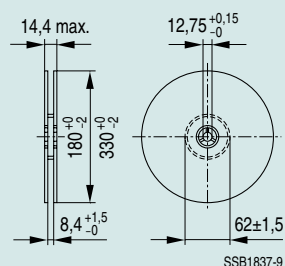
Taping and packing

Gurtung und Verpackung

Blister tape / Blistergurt



Reel / Rolle \varnothing 180 mm; \varnothing 330 mm



SSB1837-9

Please read *Important notes* on page 4 and *Cautions and warnings* on page 113.
Bitte beachten Sie die Seite 4 *Wichtige Hinweise* sowie die *Warn- und Sicherheitshinweise* auf Seite 113.