## 3DC11LPCAP

## SMD CAP 3 C Coil Low Profile

13x12.8x3.7mm ( $2.38 \mathrm{mH}-7.2 \mathrm{mH}$ )
3-AXIS TRANSPONDER INDUCTOR (3DCOILS ${ }^{\text {TM }}$ )

## APPLICATIONS

, Automotive Passive keyless entry systems
> Automotive RTPMS with wake up functions > Industrial logistics and control.
> Access control.
> Tracking devices.

SPECIFICATIONS
dimensions and recommended pad-Layout (mm)

, Pins coplanarity 0.1 mm .
ELECTRICAL SPECIFICATIONS

| P/N | $\begin{gathered} {\underset{x}{x, y, z}}_{\mathrm{L}, \mathrm{z}}^{(m)} \\ (\mathrm{mH}) \end{gathered}$ | $\begin{gathered} Q \\ \begin{array}{c} x, y, z \\ \text { Min } \end{array} \end{gathered}$ | $\begin{aligned} & \text { Frequency } \\ & (k H z) \end{aligned}$ | Cres(pF) | $\begin{aligned} & \text { SRFx,y } \\ & (\mathrm{kHz}) \\ & \mathrm{Min} \end{aligned}$ | $\begin{aligned} & \text { SRFz } \\ & \left(\begin{array}{c} \text { (KHz) } \end{array}\right. \\ & \text { Ma } \end{aligned}$ | $\begin{gathered} \text { DCR } \\ \text { x,y ( }(\Omega) \\ \text { Max } \end{gathered}$ | $\begin{aligned} & \text { DCR } \\ & \text { Z(R) } \\ & \text { Max } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3DC11CAP-0238J | 2.38 | 17 | 125 | 680 | 450 | 850 | 60,5 | 82,5 |
| 3DC11CAP-0491J | 4.91 | 15 | 125 | 330 | 300 | 700 | 111 | 150 |
| 3DC11CAP-0720J | 7.20 | 15 | 125 | 225 | 250 | 500 | 176 | 209 |
| P/N | $\underset{\operatorname{Min}}{\substack{\text { Sensitivity } x, y, z \\(m v / A / m)}}$ |  | $\begin{gathered} \text { Length } \\ (\mathrm{mm}) \end{gathered}$ | $\begin{aligned} & \text { Width } \\ & (\mathrm{mm}) \end{aligned}$ |  | Height (mm) |  |  |
| 3DC11CAP-0238J | 40 |  | 13,0 | 12.8 |  | 3.7 |  |  |
| 3DC11CAP-0491J | 60 |  | 13,0 | 12.8 |  | 3.7 |  |  |
| 3DC11CAP-0720J | 85 |  | 13,0 | 12.8 |  | 3.7 |  |  |

This chart is a reference guide for the most common required values at working frequency of 125 kHz . Any other inductance value .an be provided. Also can be supplied different inductance values in the different winding axis. Please contact our sales department for any inquiry.

- and $Q$ factor measured at $125 \mathrm{kHz}, 1 \mathrm{Vac}$.

Sensitivity measured with Helmhootz coils
SRF: Self Resonant Frequency of the coil.

