

NEW**PREMO**

TOM1203LP

SMD Transponder Overmoulded Design

12.7x3.7x2.6 mm MAX
(340 μ H – 16.2 mH)

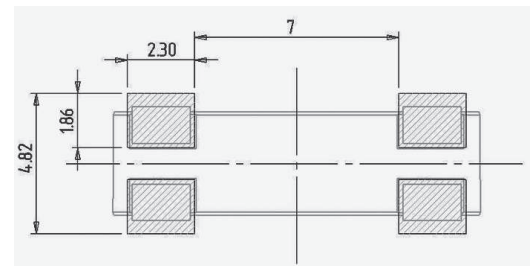
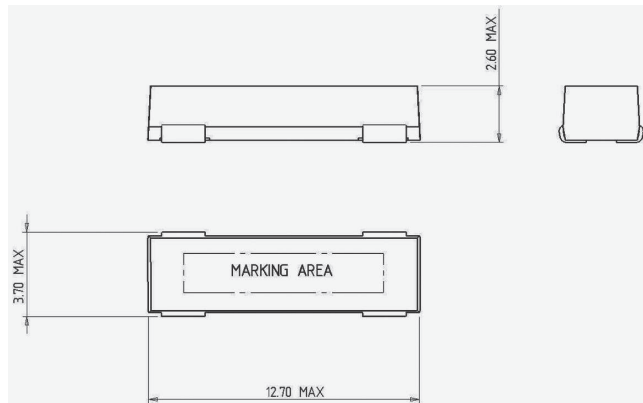
Features

This design performs the highest mechanical standards for an SMD component.

Inductor based on a wound ferrite and ulterior overmoulding which results in a compact component with absence of mechanically weak points. Designed to accomplish the highest electrical performance in these dimensions together with good thermal properties. RTPMS, KES, Industrial with high requirements are typical applications for this piece. Maximized sensitivity and thermal performance for the design.



Dimensions and recommended pad layout



Recommended pad-layout
Dimensions in mm

Electrical specifications

| P/N | L (mH) | Tol. | Q Min | Frequency (kHz) | Cres (pF) | SRF (kHz) Min | DCR (Ω) Max | Sensitivity (mVpp/App/m) Min | Length (mm) | Width (mm) | Height (mm) |
|-----------------|-----------|-----------|----------|--------------------|--------------|---------------------|----------------------------|------------------------------------|----------------|---------------|----------------|
| TOM1203LP-0238J | 2.38 | $\pm 5\%$ | 40 | 125 | 680 | 1000 | - | 45 | 12.6 | 3.7 | 2.6 |
| TOM1203LP-0491J | 4.91 | $\pm 5\%$ | 35 | 125 | 330 | 550 | - | 65 | 12.6 | 3.7 | 2.6 |
| TOM1203LP-0720J | 7.20 | $\pm 5\%$ | 40 | 125 | 225 | 550 | - | 80 | 12.6 | 3.7 | 2.6 |

This chart is a reference guide for the most common required values at working frequency of 125 kHz. Any other inductance value at LF or tighter tolerances can be provided. Please contact our sales department for any inquiry.