

TR1102CAP

SMD CAP Ferrite Transponder Inductor

11.8 x 3.1 x 2.6 mm
(2.38 mH - 9.0 mH)

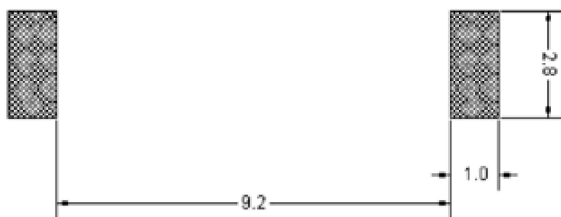
Features

The TR1102CAP series of surface mountable ferrite wound inductor is an evolution of the TR1102 series, and also one of the very first SMD coils designed for transponder use. Its length and cross sectional area are optimized to achieve the maximum sensitivity in the coil axis. And the use of high quality plastic material for the cap provides an additional mechanical protection to the coil with the thinnest walls, combined with a high performance in temperature.

The TR1102CAP is a solution that combines the low cost and high-speed assembly of the circuit component, with the high mechanical protection provided by the cap, and it's excellent when the application demands a stronger coil.

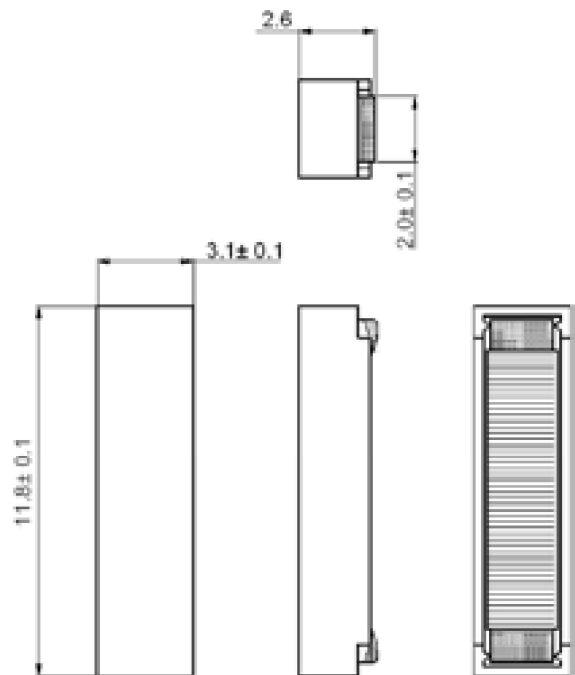
Characteristics

- Size: 11.8 x 3.1 x 2.6 mm.
- Terminals: Ag-Ni-Sn100.
- Wire: H, 180°C, Solderable.
- Max. Operating Temperature 125°C.



All dimensions in mm

Dimensions



Tolerance unless otherwise specified ± 0.20 mm

Electrical specifications (7.2mH)

Code	L @125 kHz (mH)	Q min. @125 kHz	SRF min. (kHz)	DCR min. (Ohm)	Sensitivity min.@125 kHz (mVpp/App/m)
TR1102CAP-0238J	2.38 $\pm 5\%$	25	500	40,7	35
TR1102CAP-0491J	4.91 $\pm 5\%$	50	420	49	50
TR1102CAP-0720J	7.20 $\pm 5\%$	25	330	90.2	70
TR1102CAP-0900J	9.00 $\pm 5\%$	22.5	300	132	75

Inductance, Q factor, DCR and SRF measured with an LCR meter Wayne Kerr PMA 3260A.

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