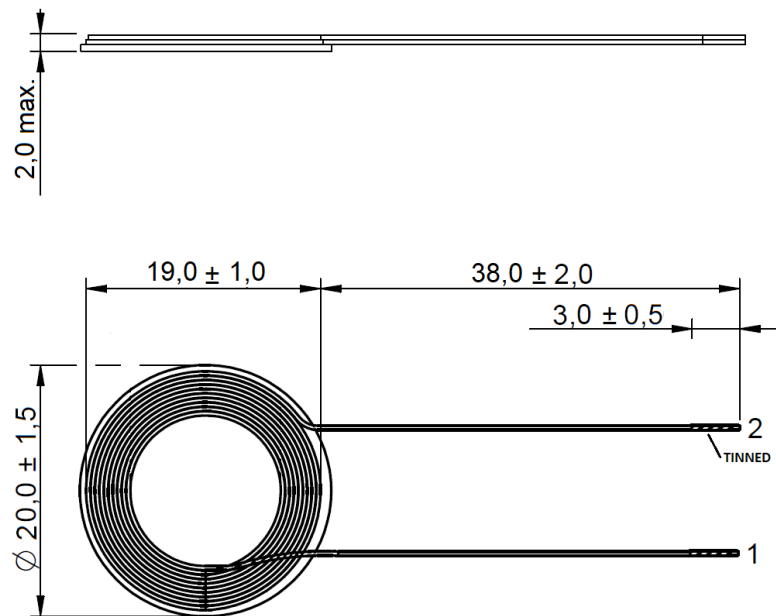


Dimensions:



Unit in mm.

Electrical Properties:

| Properties              |                  | Test Conditions | Value | Unit  | Tol. |
|-------------------------|------------------|-----------------|-------|-------|------|
| Inductance              | L                | 100 kHz / 10 mA | 15,0  | μH    | ±10% |
| Q – factor              | Q                | 100 kHz / 10 mA | 40    | -     | typ. |
| Rated Current           | I <sub>R</sub>   | ΔT = 40 K       | 2,0   | A     | max. |
| Saturation Current      | I <sub>SAT</sub> | -               | 5     | A     | typ. |
| Number of Turns         | N                | -               | 25    | turns | -    |
| DC Resistance           | R <sub>DC</sub>  | @ 20°C          | 0.15  | Ω     | typ. |
| Self Resonant Frequency | f <sub>RES</sub> | -               | 20    | MHz   | -    |

General Information:

| Properties            | Value          |
|-----------------------|----------------|
| Operating Temperature | -20 to +105 °C |
| Storage Temperature   | -20 to +40 °C  |

|                                                                                                    |                                                          |                   |                                   |             |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------|-----------------------------------|-------------|
|  <b>ELDEMA</b> | MATERIAL                                                 | METHOD            | WEIGHT                            |             |
|                                                                                                    | DESCRIPTION<br>WPC Wireless Power Transfer Receiver Coil |                   | IDENTIFICATION NUMBER<br>ID #3004 |             |
|                                                                                                    | VERSION<br>v101                                          | STATUS<br>Checked | DATE<br>06.04.2023                | PAGE<br>1/1 |