

## CTTC1103F Series From 0.25 mH to 9.50 mH



### CHARACTERISTICS

**Description:** RFID Transponder Coil.

**Applications:** Designed for Radio Frequency Identification Systems (RFID), Tire Pressure Monitoring Systems, Car Remote Control Key, etc.

**Features:** Low profile, extended length, High Q value.

**Operating Temperature:** -40°C to +85°C

**Inductance Tolerance:** ±5%

**Testing:** Inductance is tested on an HP4285A at 125KHz, 0.25V.

**Packaging:** Tape & Reel.

**Marking:** Parts are marked with inductance code.

**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

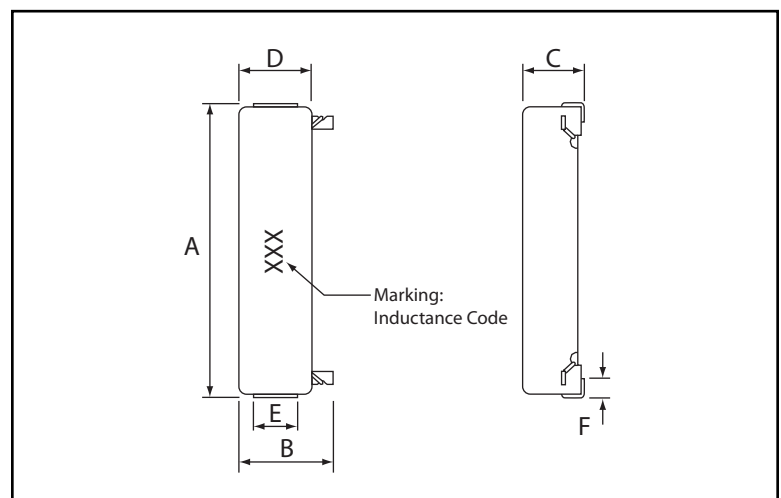
### SPECIFICATIONS

Parts are available in ±5% inductance tolerance only.

| Part Number    | Inductance (mH) | Q. Min. | Freq. (KHz) | SRF Min. (KHz) | DCR Max. (Ω) |
|----------------|-----------------|---------|-------------|----------------|--------------|
| CTTC1103F-251J | 0.25            | 30.0    | 125         | 2000           | 4.0          |
| CTTC1103F-401J | 0.40            | 30.0    | 125         | 1500           | 7.3          |
| CTTC1103F-901J | 0.90            | 30.0    | 125         | 1000           | 13           |
| CTTC1103F-112J | 1.10            | 30.0    | 125         | 1000           | 15           |
| CTTC1103F-202J | 2.00            | 30.0    | 125         | 700            | 22           |
| CTTC1103F-242J | 2.40            | 30.0    | 125         | 700            | 25           |
| CTTC1103F-332J | 3.30            | 30.0    | 125         | 700            | 40           |
| CTTC1103F-382J | 3.80            | 30.0    | 125         | 650            | 61           |
| CTTC1103F-402J | 4.00            | 30.0    | 125         | 650            | 63           |
| CTTC1103F-412J | 4.10            | 30.0    | 125         | 600            | 65           |
| CTTC1103F-492J | 4.90            | 40.0    | 125         | 500            | 68           |
| CTTC1103F-682J | 6.80            | 40.0    | 125         | 500            | 85           |
| CTTC1103F-712J | 7.10            | 40.0    | 125         | 450            | 86           |
| CTTC1103F-722J | 7.20            | 40.0    | 125         | 450            | 88           |
| CTTC1103F-812J | 8.10            | 40.0    | 125         | 450            | 92           |
| CTTC1103F-902J | 9.00            | 40.0    | 125         | 450            | 98           |
| CTTC1103F-952J | 9.50            | 40.0    | 125         | 450            | 108          |

### PHYSICAL DIMENSIONS

| Size   | A<br>Max. | B<br>Max. | C<br>Max. | D          | E    | F    |
|--------|-----------|-----------|-----------|------------|------|------|
| mm     | 11.8      | 4.5       | 3.0       | 3.3±0.1    | 2.0  | 0.8  |
| inches | 0.46      | 0.18      | 0.12      | 0.13±0.004 | 0.08 | 0.03 |



### PAD LAYOUT

