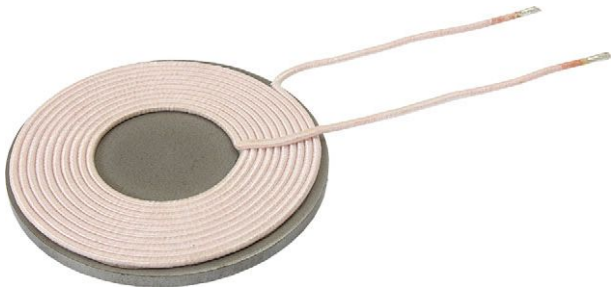
# Wireless Charging Transmitter Coil / Shield



## FEATURES

- Operating temperature: -40 °C to +105 °C
- Storage temperature: -40 °C to +105 °C
- $I_{RMS}$ based on temperature rise up to 40 °C max.
- $I_{SAT}$ based on inductance change of 20 % typ.
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

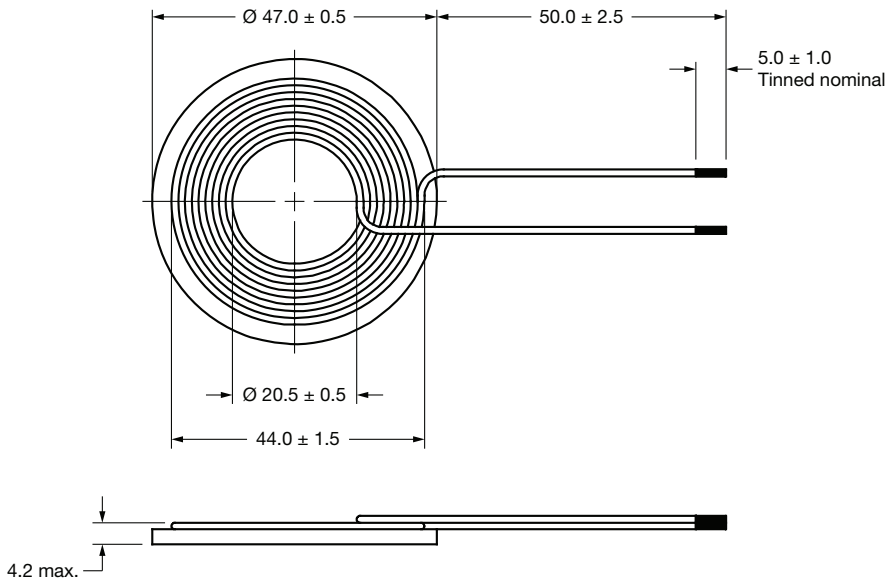
Pb-free

RoHS COMPLIANT

## STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

| $L_0$ INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (µH) | Q AT 200 kHz TYP. | DCR ± 5 % AT 25 °C (mΩ) | $I_{RMS}$ (A) | $I_{SAT}$ (A) |
|---|---|---|---|---|
| 6.3 | 190 | 40 | 7 | 22 |

## DIMENSIONS in millimeters




## DESCRIPTION

| IWTX-47R0DA-F1 | 6.3 µH | 5 % | EB | e3 |
|---|---|---|---|---|
| MODEL | INDUCTANCE | INDUCTANCE TOLERANCE | PACKAGE CODE | JEDEC® LEAD (Pb)-FREE STANDARD |

## GLOBAL PART NUMBER

| I | W | T | X | 4 | 7 | R | 0 | D | A | E | B | 6 | R | 3 | J | F | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | | | | SHIELD SIZE | | | | SHIELD THICKNESS | | LEAD (Pb)-FREE | PACKAGE | INDUCTANCE VALUE | | | TOL. | MATERIAL | LEAD CONFIG. |



For technical questions, contact: magnetics@vishay.com

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