

## Wireless Charging Transmitter Coil / Shield



### FEATURES

- Operating temperature: -40 °C to +125 °C
- Storage temperature: -40 °C to +125 °C
- $I_{RMS}$ : base on temperature rise up to 40 °C max.
- Power rating: 15 W
- Compliant to Qi standard MP-A9 design
- Flexible ferrite shield
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

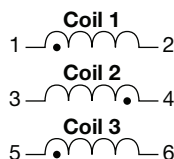
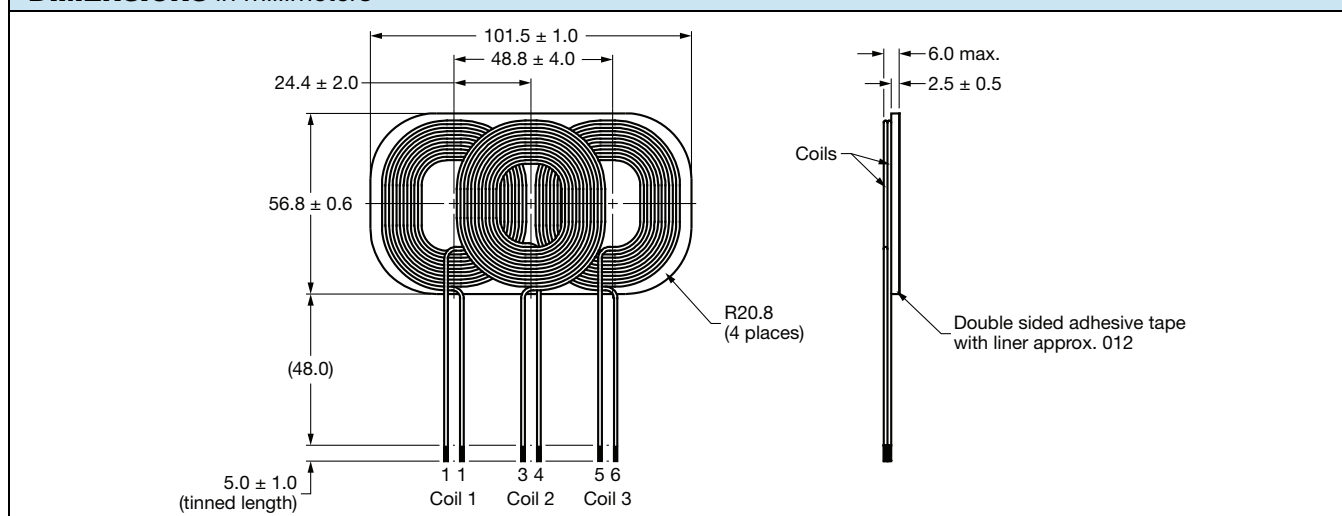
### STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

| COIL    | $L_0$ INDUCTANCE<br>+10 % AT 100 kHz, 1 V, 0 A<br>( $\mu$ H) | Q<br>AT 100 kHz<br>TYP. | DCR<br>AT 25 °C TYP.<br>(m $\Omega$ ) | DCR<br>AT 25 °C MAX.<br>(m $\Omega$ ) | HEAT RATING<br>CURRENT DC TYP.<br>(A) |
|---------|--------------------------------------------------------------|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1 and 3 | 9.8                                                          | 100                     | 60                                    | 80                                    | 7.0                                   |
| 2       | 10.2                                                         | 100                     | 60                                    | 80                                    | 7.0                                   |

#### Note

- This product is not designed, nor intended for use in automotive applications or life critical medical applications

### DIMENSIONS in millimeters



### DESCRIPTION

|                |             |                      |              |                                |
|----------------|-------------|----------------------|--------------|--------------------------------|
| IWTX-A148DG-F3 | 9.8 $\mu$ H | 10 %                 | EB           | e3                             |
| MODEL          | INDUCTANCE  | INDUCTANCE TOLERANCE | PACKAGE CODE | JEDEC® LEAD (Pb)-FREE STANDARD |

### GLOBAL PART NUMBER

|       |   |   |   |             |   |   |   |                  |   |                |         |                  |   |   |      |          |              |
|-------|---|---|---|-------------|---|---|---|------------------|---|----------------|---------|------------------|---|---|------|----------|--------------|
| I     | W | T | X | A           | 1 | 4 | 8 | D                | G | E              | B       | 9                | R | 8 | K    | F        | 3            |
| MODEL |   |   |   | SHIELD SIZE |   |   |   | SHIELD THICKNESS |   | LEAD (Pb)-FREE | PACKAGE | INDUCTANCE VALUE |   |   | TOL. | MATERIAL | LEAD CONFIG. |



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