

## 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 maximum
- Power rating: 15 W
- Compliant to Qi standard MP-A4 design
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

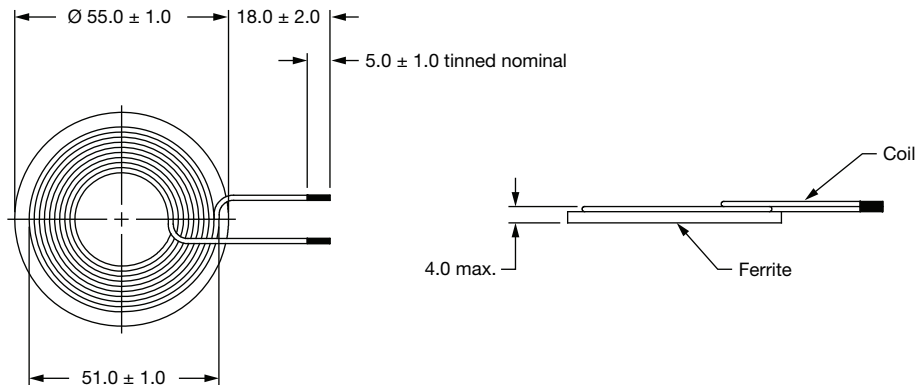
### STANDARD ELECTRICAL SPECIFICATIONS with Test Coil

$L_0$ INDUCTANCE +10 % AT 100 kHz, 1 V, 0 A ( $\mu$ H)	Q AT 100 kHz TYP.	DCR AT 25 °C TYP. (m $\Omega$ )	DCR AT 25 °C MAX. (m $\Omega$ )	HEAT RATING CURRENT DC TYP. (A)
8.9	98.5	47	55	6.0

#### Note

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

### DIMENSIONS in millimeters



### DESCRIPTION

<b>IWTX-55R0DZ-F1</b>	<b>8.9 <math>\mu</math>H</b>	<b>10 %</b>	<b>EB</b>	<b>e3</b>
MODEL	INDUCTANCE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

### GLOBAL PART NUMBER

<b>I</b>	<b>W</b>	<b>T</b>	<b>X</b>	<b>5</b>	<b>5</b>	<b>R</b>	<b>0</b>	<b>D</b>	<b>Z</b>	<b>E</b>	<b>B</b>	<b>8</b>	<b>R</b>	<b>9</b>	<b>K</b>	<b>F</b>	<b>1</b>
MODEL				SHIELD SIZE			SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.	



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