

## Wireless Charging Transmitter Coil / Shield



### FEATURES

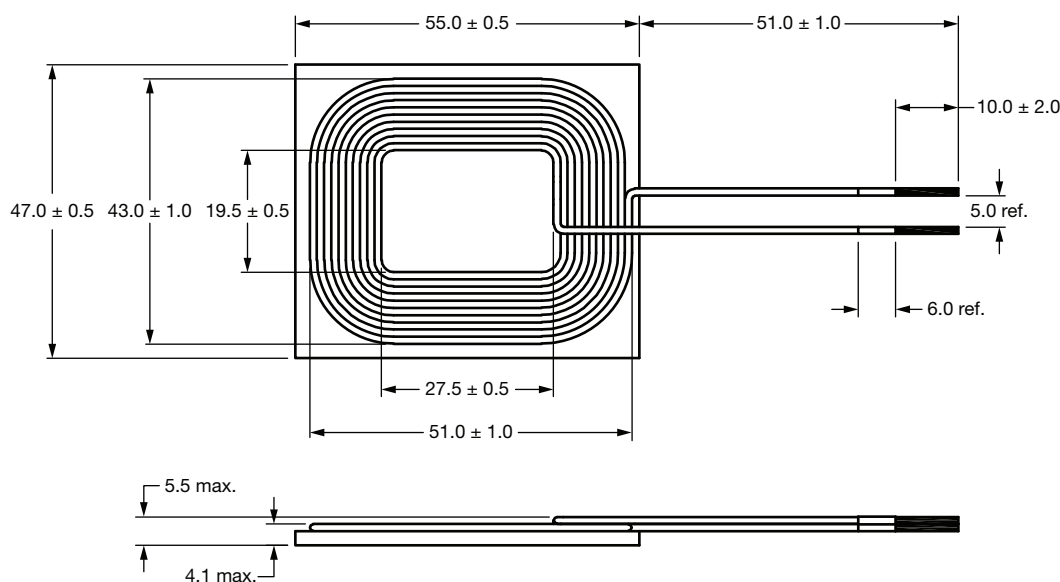
- Operating temperature: -40 °C to +105 °C
- Storage temperature: -40 °C to +105 °C
- Humidity range: 60 % RH
- Heat rating current: based on 40° temperature rise
- Saturation current: based on 10 % inductance change
- Power rating: 5 W to 15 W
- Compliant to Qi standard MP-A8
- Material categorization: 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 125 kHz, 1 V, 0 A ( $\mu$ H)	Q AT 125 kHz TYP.	DCR AT 25 °C MAX. (m $\Omega$ )	HEAT RATING CURRENT DC TYP. (A)	SATURATION CURRENT DC TYP. (A)	SRF (MHz)
8.5	140	56.0	6	10	11

### DIMENSIONS in millimeters



### DESCRIPTION

<b>IWTX-5547EE-F1</b>	<b>8.5 <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>4</b>	<b>7</b>	<b>E</b>	<b>E</b>	<b>E</b>	<b>B</b>	<b>8</b>	<b>R</b>	<b>5</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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