

## Wireless Charging Transmitter Coil / Shield



### FEATURES

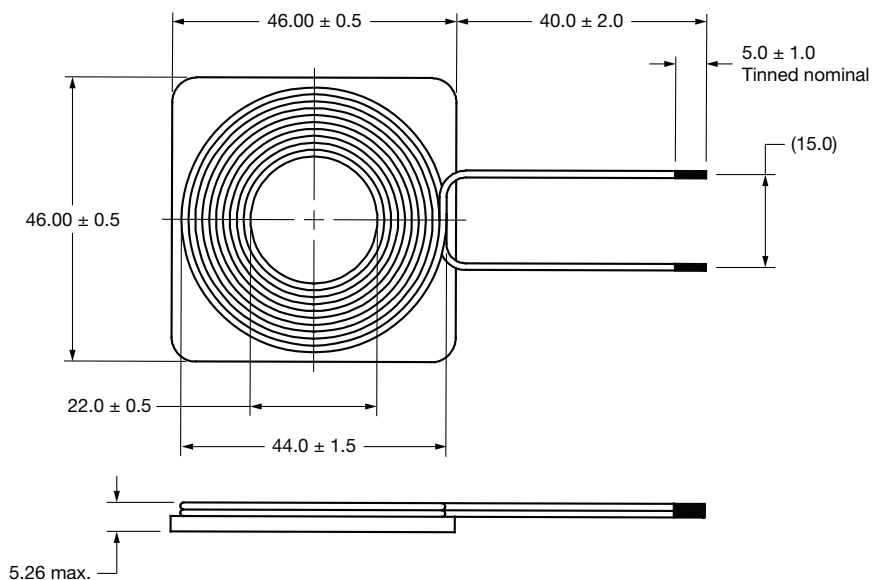
- Operating temperature: -40 °C to +105 °C
- Storage temperature: -40 °C to +105 °C
- $I_{RMS}$  based on temperature rise up to 40 °C max.
- $I_{SAT}$  based on inductance change of 20 % typ.
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

$L_0$ INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A ( $\mu$ H)	Q AT 200 kHz TYP.	DCR ± 5 % AT 25 °C (m $\Omega$ )	$I_{RMS}$ (A)	$I_{SAT}$ (A)
24	185	75	6	20

### DIMENSIONS in millimeters



### DESCRIPTION

<b>IWTX-4646DC-F1</b>	<b>24 <math>\mu</math>H</b>	<b>5 %</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>4</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>D</b>	<b>C</b>	<b>E</b>	<b>B</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>J</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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