# IWTX4646DCEB240JR1

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Vishay Dale

# Wireless Charging Transmitter Coil / Shield



### LINKS TO ADDITIONAL RESOURCES



### FEATURES

- Operating temperature: -40 °C to +105 °C
- Specialized shield coating offers superior environmental protection and moisture resistance in high humidity conditions up to 90 % RH
- Silk covered litz wire offers anti-scratching, improved insulation, and protection against wire deformation while reducing electrical skin effect and proximity losses



RoHS COMPLIANT HALOGEN FREE <u>GREEN</u> (5-2008)

- Iron core shield achieves excellent saturation current rating
- Power rating: up to 30 W
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

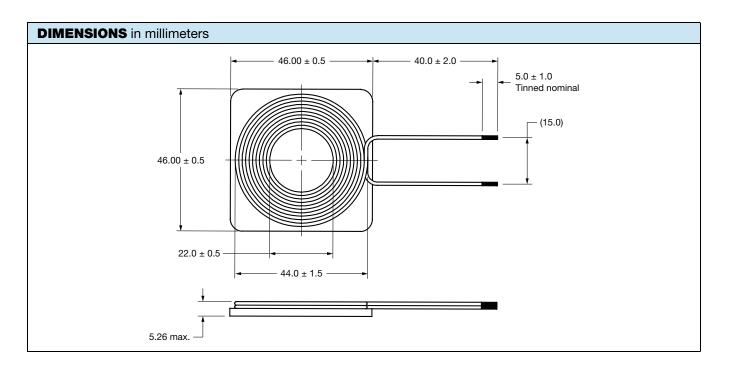
STANDARD ELECTRICAL SPECIFICATIONS With Test Coil						
L₀ INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (μH)	Q AT 200 kHz TYP.	DCR ± 5 % AT 25 °C (mΩ)	I <sub>RMS</sub> <sup>(1)</sup> (A)	I <sub>SAT</sub> <sup>(2)</sup> (A)		
24	185	75	6	20		

#### Notes

• Storage condition: -40 °C to +105 °C (on board); less than 40 °C and < 60 % RH (in component packaging)

<sup>(1)</sup> DC current (A) that will cause an approximate  $\Delta T$  of 40 °C

<sup>(2)</sup> DC current (A) that will cause  $L_0$  to drop approximately 20 %

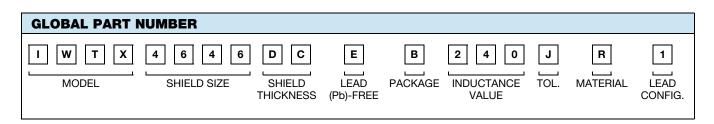




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DESCRIPTION				
IWTX-4646DC-R1	24 µH	5 %	EB	e3
MODEL	INDUCTANCE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC <sup>®</sup> LEAD (Pb)-FREE STANDARD





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