Wireless Charging Transmitter Coil / Shield



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

Pb-free
RoHS COMPLIANT
HALOGEN FREE GREEN (5-2008)

LINKS TO ADDITIONAL RESOURCES

Product Page

STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

L_0 INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (µH)	Q AT 200 kHz TYP.	DCR ± 5 % AT 25 °C (mΩ)	I_{RMS} (1) (A)	I_{SAT} (2) (A)
24	185	75	6	20

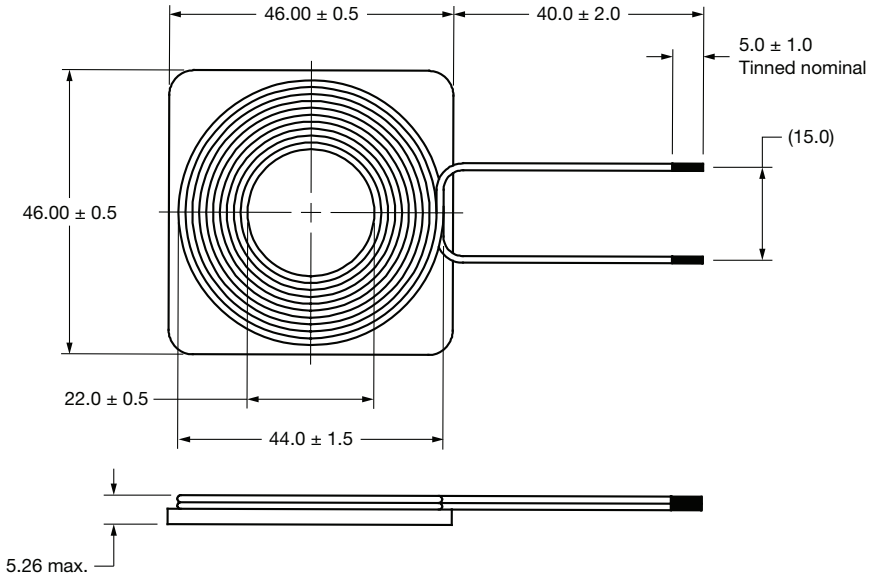
Notes

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

(1) DC current (A) that will cause an approximate ΔT of 40 °C

(2) DC current (A) that will cause L_0 to drop approximately 20 %

DIMENSIONS in millimeters



For technical questions, contact: magnetics@vishay.com

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DESCRIPTION

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

GLOBAL PART NUMBER

I	W	T	X	4	6	4	6	D	C	E	B	2	4	0	J	R	1
MODEL				SHIELD SIZE				SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.

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