



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Wireless Charging Transmitter Coil/Shield



FEATURES

- Wireless charging transmitter coil
- High permeability shielding for wireless charging
- High saturation powdered iron - not affected by permanent locating magnets
- Durable construction
- AEC-Q200 qualified
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS COMPLIANT

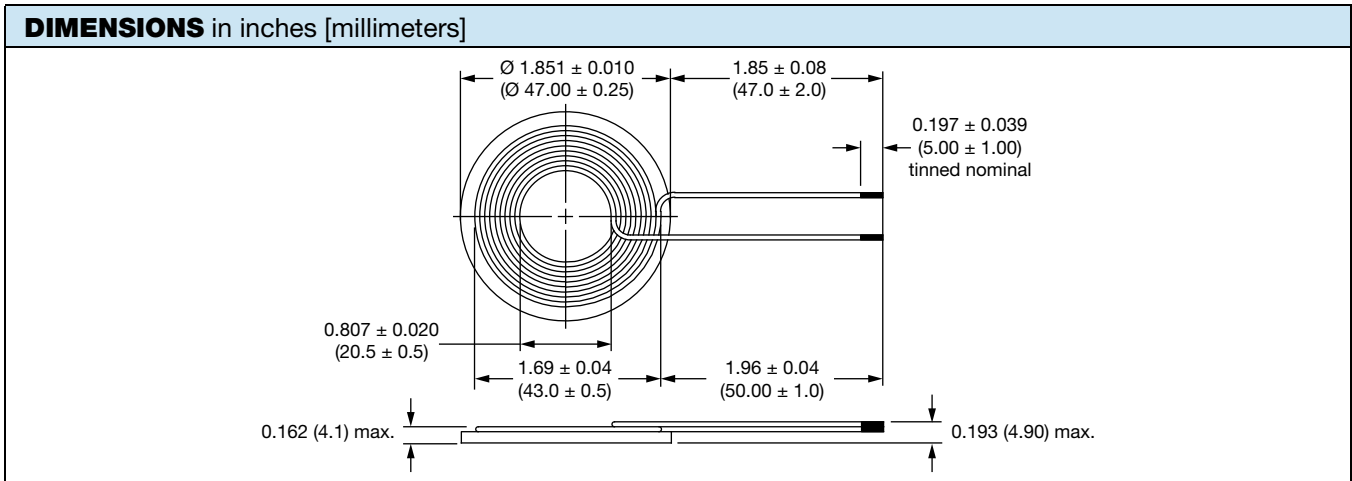
SHIELD MATERIAL CHARACTERISTICS

- Permeability: ~ 24
- Resistivity: > 10 MΩ at 100 V
- Core loss: 4000 mW/cc at 500 gauss, 250 kHz
- Magnetic saturation: 50 % at 4000 gauss (~ 350 O_e)

STANDARD ELECTRICAL SPECIFICATIONS with Test Coil						
L ₀ INDUCTANCE +5 % AT 200 kHz, 0.25 V, 0 A (μH)	DCR ± 10 % AT 25 °C (mΩ)	Q AT 200 kHz (TYP.)	SELF RESONANT FREQUENCY (MHz)	HEAT RATING CURRENT DC TYP. (3) (A)	SATURATION CURRENT DC TYP. (4) (A)	EFFICIENCY (6) (%)
6.3	38	190	22	7	22	> 70

Notes

- (1) All test data is referenced to 25 °C ambient.
- (2) Operating Temperature Range -55 °C to +105 °C.
- (3) DC current (A) that will cause an approximate ΔT of 40 °C.
- (4) DC current (A) that will cause L₀ to drop approximately 20 %.
- (5) The part temperature (ambient + temp rise) should not exceed 105 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- (6) When tested using BQ Tesla 500212 Transmitter Chipset, BQ51013 Receiver Chipset and IWAS-4832FF-50 as receiver coil with 2.7 mm spacing. Testing performed per WPC guidelines.



DESCRIPTION			
IWTX-47R0BE-11	5 %	EB	e3
MODEL	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER																	
I	W	T	X	4	7	R	0	B	E	E	B	6	R	3	J	1	1
MODEL				SHIELD SIZE			SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.	



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