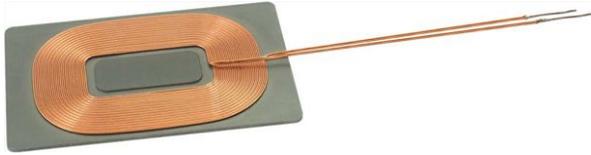


Wireless Charging Receiving Coil/Shield with Attractor


RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

with Test Coil

L ₀ INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (μH)	DCR AT 25 °C ± 5 % (mΩ)	EFFICIENCY (%)	Q AT 200 kHz (min)
9.7	200	> 70	30

Note

- When tested without any additional shielding, other than the powdered iron material, the inductance will equal 10.8 μH nominal.

COIL DESCRIPTION

TURNS	DIAMETER NOM.	LEAD LENGTH	TINNED LENGTH
15 bifilar	29 AWG, 0.32 mm	50 mm	10 mm

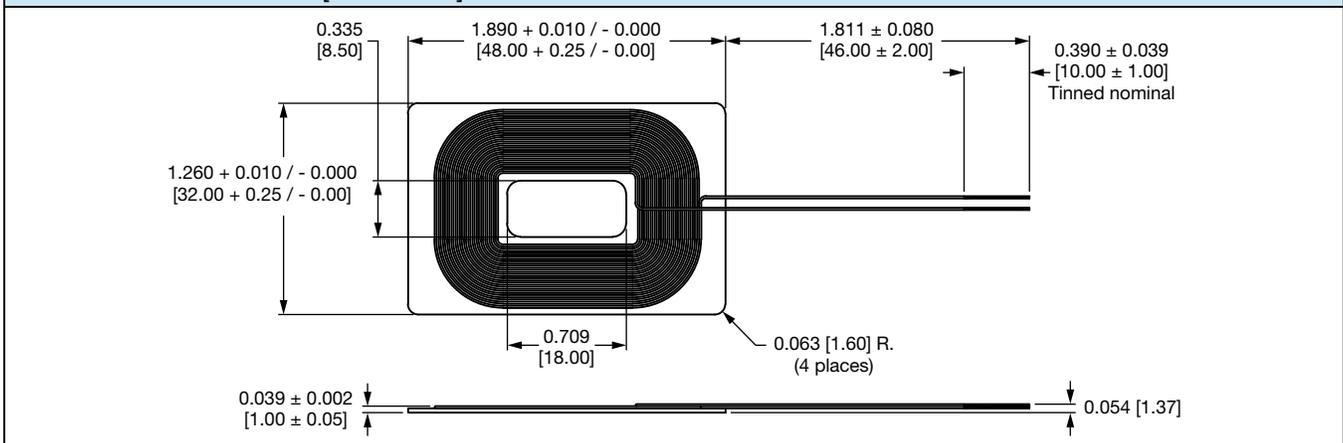
FEATURES

- Wireless charging receiving coil
- For Rx applications up to 10 W
- Optimized for 5 V charging circuitry
- High permeability shielding for wireless charging receiving coils
- Blocks charging flux from sensitive components or batteries
- High saturation powdered iron - not affected by permanent locating magnets
- Durable construction
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

SHIELD MATERIAL CHARACTERISTICS

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

DIMENSIONS in inches [millimeters]



DESCRIPTION

IWAS-4832FF-50	± 5 %	EB	e3
MODEL	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	W	A	S	4	8	3	2	F	F	E	B	9	R	7	J	5	0
MODEL				SHIELD SIZE			SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.	



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Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

Mouser Electronics

Authorized Distributor

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