

Wireless Charging Receiving Coil/Shield with Attractor



KEY BENEFITS

- High permeability shielding
- Blocks charging flux from sensitive components or batteries
- Performance not adversely affected by permanent magnet for aligning
- Exceeds minimum 70 % efficiency requirements in WPC compatible circuitry
- Optimized for 5 V charging circuitry

END PRODUCTS

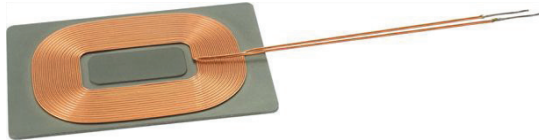
- WPC-compliant contactless charging
- Other wireless power base stations and receivers

RESOURCES

- Datasheet: IWAS-4832FF-50 - www.vishay.com/doc?34311
- For technical questions contact magnetics@vishay.com



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STANDARD ELECTRICAL SPECIFICATIONS with Test Coil			
L₀ INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (μH)	DCR AT 25 °C (mΩ)	EFFICIENCY (%)	Q AT 200 kHz (min)
9.7	200	> 70	30

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

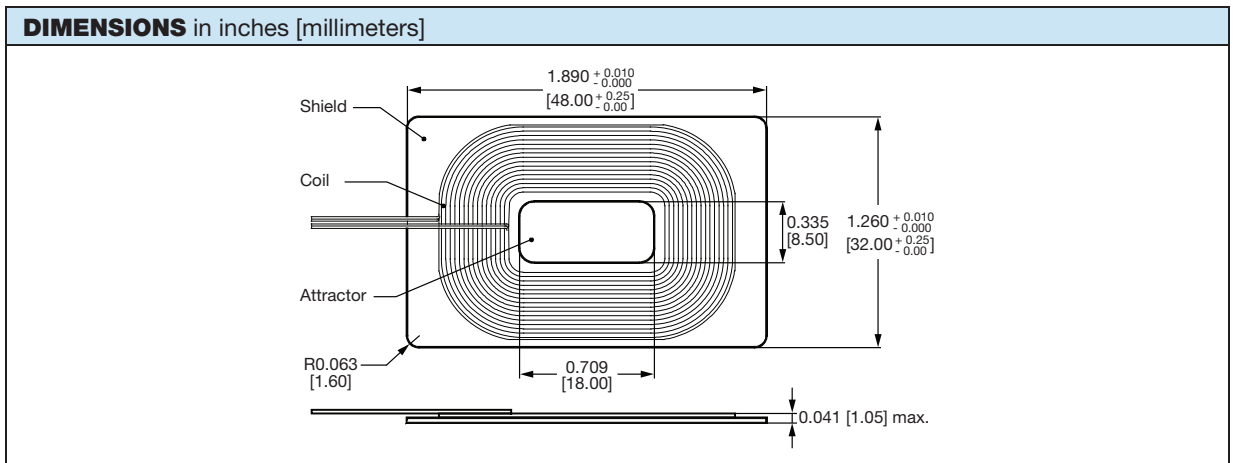
FEATURES

- Optimized for 5 V charging circuitry
- High permeability shielding
- Blocks charging flux from sensitive components or batteries
- High saturation powered iron - not affected by permanent locating magnets
- Durable construction
- Compliant to RoHS Directive 2002/95/EC


RoHS
 COMPLIANT

SHIELD MATERIAL CHARACTERISTICS

- Permeability: to 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)



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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