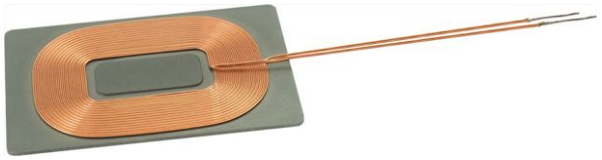
Wireless Charging Receiving Coil/Shield with Attractor



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

Pb-free

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 (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.

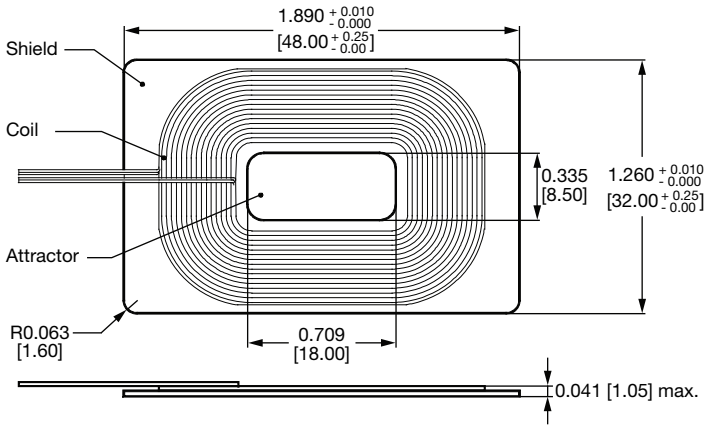
SHIELD MATERIAL CHARACTERISTICS

- 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)

COIL DESCRIPTION

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

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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