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Vishay Dale

RoHS

COMPLIANT

Wireless Charging Receiving Coil/Shield with Attractor



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	

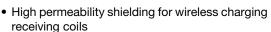
Note

 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

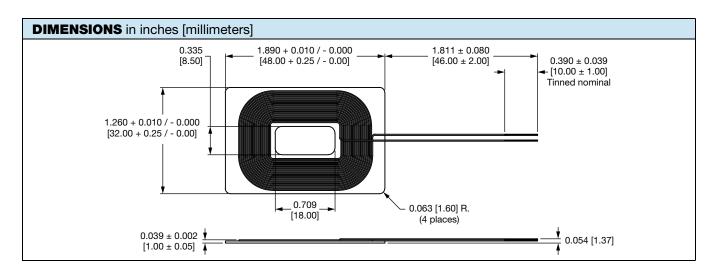
- Wireless charging receiving coil
- For Rx applications up to 10 W
- Optimized for 5 V charging circuitry

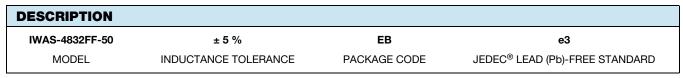


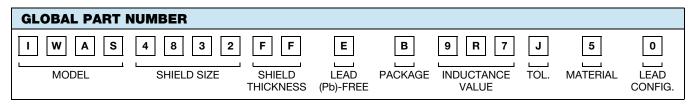
- Blocks charging flux from sensitive components or batteries
- High saturation powdered iron not affected by permanent locating magnets
- Durable construction
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

SHIELD MATERIAL CHARACTERISTICS

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









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