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Vishay Dale

RoHS

COMPLIANT

# **Wireless Charging Receiving Coil/Shield**



STANDARD ELECTRICAL SPECIFICATIONS with Test Coil				
L <sub>0</sub> INDUCTANCE ± 5 % AT 200 kHz, 0.25 V, 0 A (μH)	DCR AT 25 °C ± 5 % (mΩ)	EFFICIENCY (%)	Q AT 200 kHz (typ.)	
10.7	183	> 70	30	

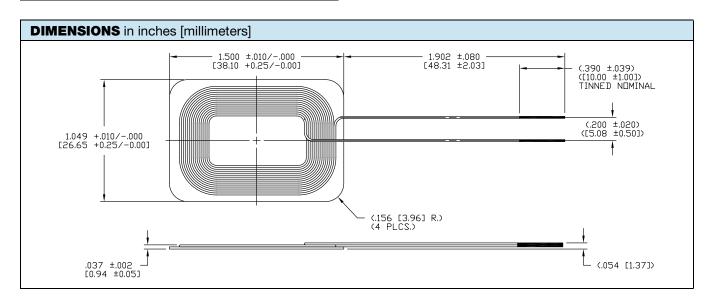
COIL DESCRIPTION				
TURNS	DIAMETER NOM.	LEAD LENGTH	TINNED LENGTH	
15	26 AWG, 0.43 mm	50 mm	10 mm	

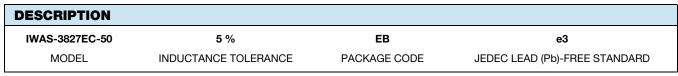
#### **FEATURES**

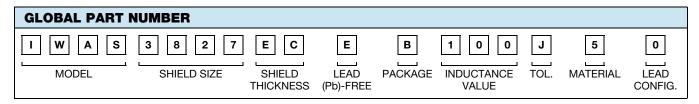
- · Wireless charging receiving coil
- For Rx applications up to 10 W
- · Optimized for 5 V charging circuitry
- High permeability shielding for wireless charging receiving coils
- Blocks charging flux from sensitive components or batteries
- High saturation powdered iron not affected by permanent locating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

#### 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<sub>e</sub>)









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Vishay

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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.

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