ISHA www.vishay.com

Vishay Dale

Wireless Charging Receiving Coil/Shield



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 (typ.)	
10.7	183	> 70	30	

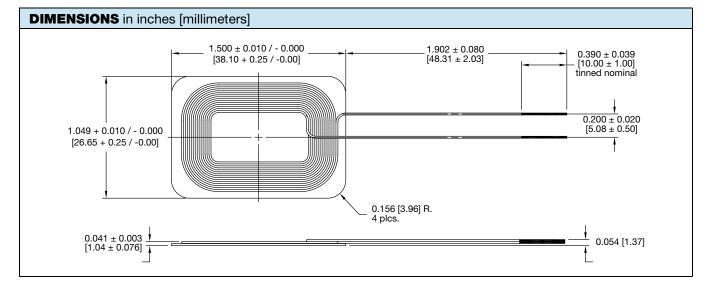
COIL DESCRIPTION					
TURNS	DIAMETER NOM.	LEAD LENGTH	TINNED LENGTH		
15	26 AWG, 0.43 mm	50 mm	10 mm		

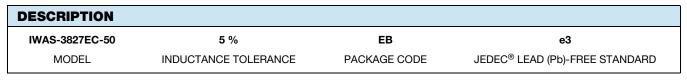
FEATURES

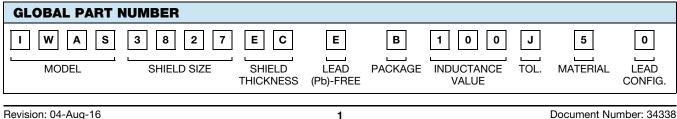
- · Wireless charging receiving coil
- For Rx applications up to 10 W
- Optimized for 5 V charging circuitry
- · High permeability shielding for wireless charging receiving coils
- · Blocks charging flux from sensitive components or batteries
- High saturation powdered iron not affected by permanent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







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