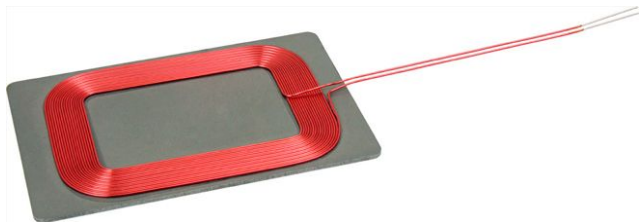


## Wireless Charging Receiving Coil/Shield


**RoHS**  
COMPLIANT

### FEATURES

- Wireless charging receiving coil
- Optimized for 7 V charging circuitry
- High permeability shielding for wireless charging receiving coils
- Blocks charging flux from sensitive components or batteries
- High saturation powered iron - not affected by permanent locating magnets
- Durable construction
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://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 O<sub>e</sub>)

### STANDARD ELECTRICAL SPECIFICATIONS

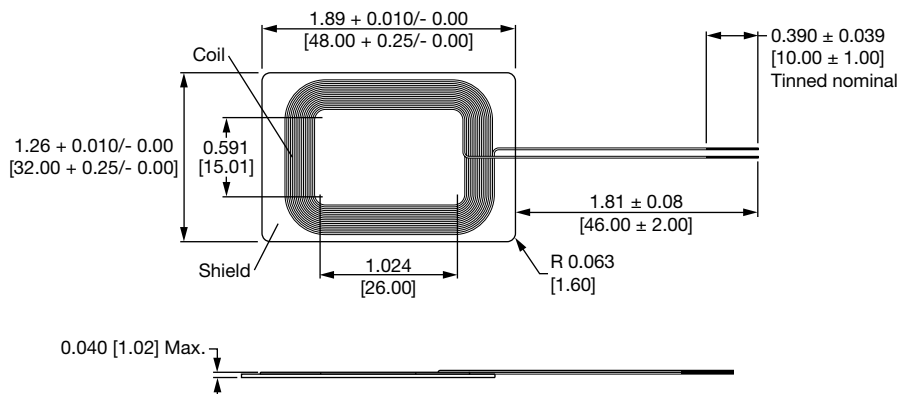
with Test Coil

<b>L<sub>0</sub> INDUCTANCE</b> ± 5 % AT 200 kHz, 0.25 V, 0 A (μH)	<b>DCR</b> AT 25 °C (mΩ)	<b>EFFICIENCY</b> (%)	<b>Q</b> AT 200 kHz (min)
22	425	> 70	30

### COIL DESCRIPTION

<b>TURNS</b>	<b>DIAMETER NOM.</b>	<b>LEAD LENGTH</b>	<b>TINNED LENGTH</b>
17	28 AWG, 0.35 mm	50 mm	10 mm

### DIMENSIONS in inches [millimeters]



### DESCRIPTION

<b>IWAS-4832EC-50</b>	<b>± 5 %</b>	<b>EB</b>	<b>e3</b>
MODEL	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

### GLOBAL PART NUMBER

<b>I</b>	<b>W</b>	<b>A</b>	<b>S</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>E</b>	<b>C</b>	<b>E</b>	<b>B</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>J</b>	<b>5</b>	<b>0</b>
MODEL				SHIELD SIZE				SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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