

## Wireless Charging Receive Coil / Shield



### FEATURES

- Specialized shield coating offers superior environmental protection and moisture resistance in high humidity conditions up to 90 % RH
- Operating temperature: -40 °C to +105 °C
- Iron alloy shield achieves high saturation current rating
- Self-bonded, enameled copper winding
- Qi standard compliant
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



**RoHS**  
COMPLIANT  
HALOGEN  
**FREE**  
**GREEN**  
(5-2008)

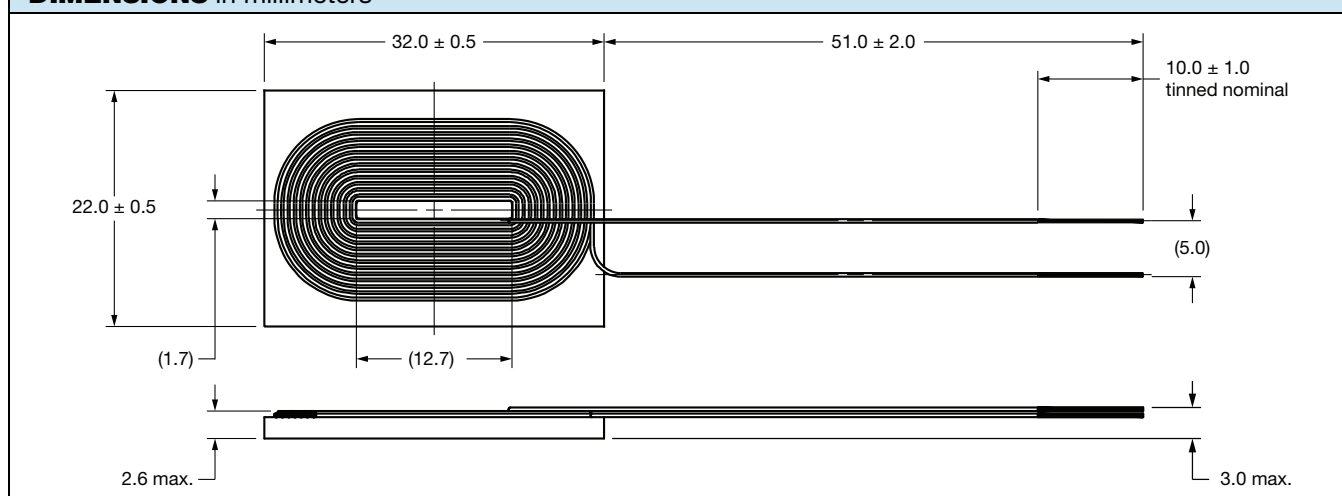
### STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

$L_0$ INDUCTANCE $\pm 5\%$ AT 200 kHz, 0.25 V, 0 A ( $\mu\text{H}$ )	Q AT 200 kHz TYP.	DCR $\pm 5\%$ AT 25 °C (m $\Omega$ )	HEAT RATING CURRENT DC $I_{\text{RMS MAX.}}^{(1)}$ (A)	SATURATION CURRENT DC $I_{\text{SAT MAX.}}^{(2)}$ (A)
19.6	28.5	357	1.2	2.4

#### Notes

- Storage condition: -40 °C to +105 °C (on board); less than 40 °C and < 60 % RH (in component packaging)
- (1) DC current (A) that will cause an approximate  $\Delta T$  of 40 °C
- (2) DC current (A) that will cause  $L_0$  to drop approximately 10 %

### DIMENSIONS in millimeters



### DESCRIPTION

<b>IWAS-3222CZ-R1</b>	<b>19.6 <math>\mu\text{H}</math></b>	<b>5 %</b>	<b>EB</b>	<b>e3</b>
MODEL	INDUCTANCE	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>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>C</b>	<b>Z</b>	<b>E</b>	<b>B</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>J</b>	<b>R</b>	<b>1</b>
MODEL				SHIELD SIZE				SHIELD THICKNESS		LEAD (Pb)-FREE	PACKAGE	INDUCTANCE VALUE			TOL.	MATERIAL	LEAD CONFIG.



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