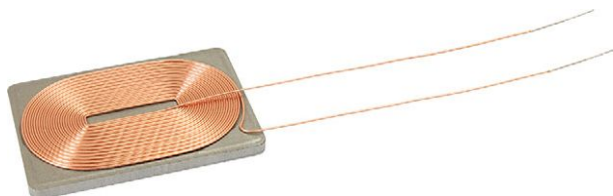


## Wireless Charging Receive Coil / Shield



### FEATURES

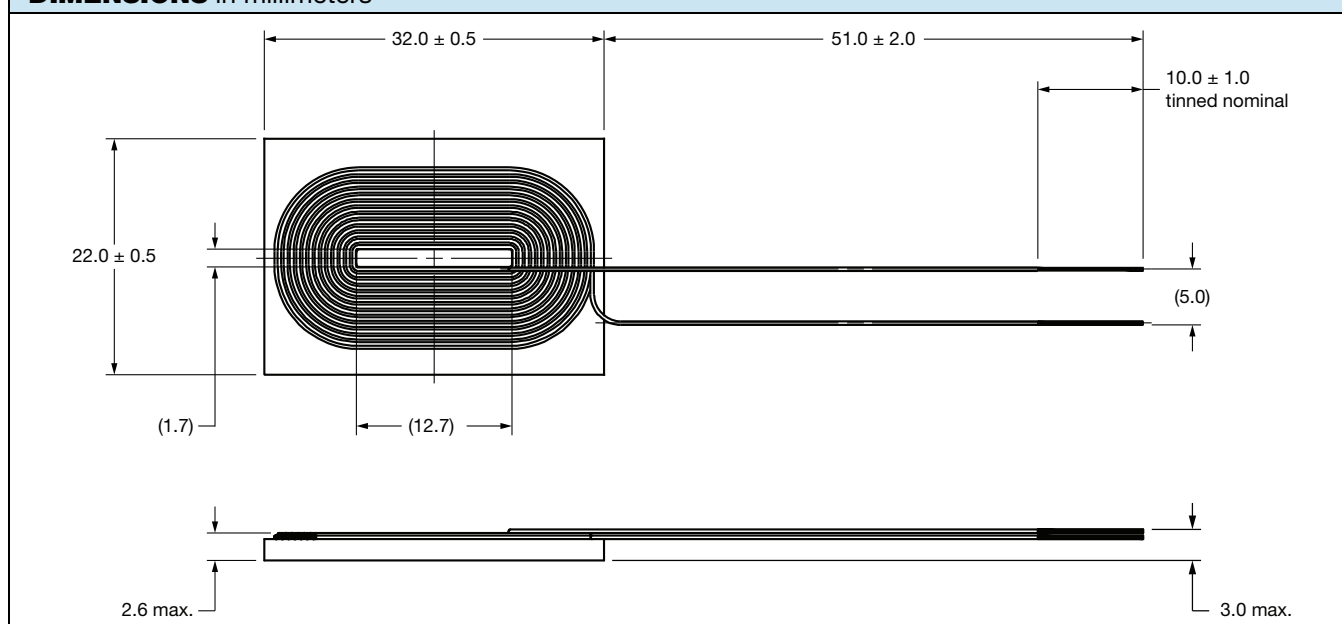
- Operating temperature: -40 °C to +105 °C
- Storage temperature: -40 °C to +105 °C
- Material categorization:  
for definitions of compliance please see  
[www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

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

### DIMENSIONS in millimeters



### DESCRIPTION

|                       |                                    |                      |              |                                |
|-----------------------|------------------------------------|----------------------|--------------|--------------------------------|
| <b>IWAS-3222CZ-F1</b> | <b>19 <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>F</b> | <b>1</b>     |
| MODEL    |          |          |          | SHIELD SIZE |          |          |          | SHIELD THICKNESS |          | LEAD (Pb)-FREE | PACKAGE  | INDUCTANCE VALUE |          |          | TOL.     | MATERIAL | LEAD CONFIG. |



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