

## Wireless Charging Receive Coil / Shield



### FEATURES

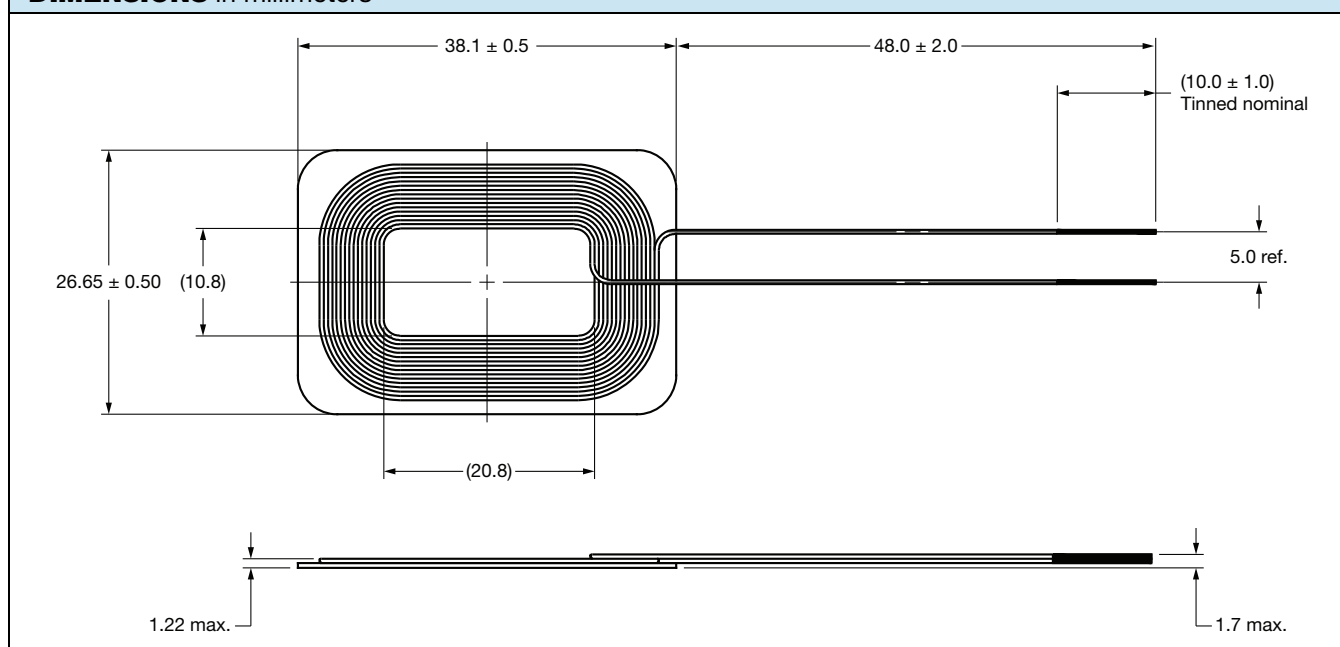
- Operating temperature: -40 °C to +105 °C
- Storage temperature: -40 °C to +105 °C
- Material categorization:  
for definitions of compliance please see  
[www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

### STANDARD ELECTRICAL SPECIFICATIONS With Test Coil

| <b>L<sub>0</sub> INDUCTANCE</b><br>± 5 % AT 200 kHz, 0.25 V, 0 A<br>(μH) | <b>Q</b><br>AT 200 kHz<br>TYP. | <b>DCR ± 5 %</b><br>AT 25 °C<br>(mΩ) |
|--|--------------------------------|--------------------------------------|
| 10.65  | 30                             | 185                                  |

### DIMENSIONS in millimeters



### DESCRIPTION

|                       |              |                      |              |                                |
|-----------------------|--------------|----------------------|--------------|--------------------------------|
| <b>IWAS-3827AB-F1</b> | <b>11 μH</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>8</b> | <b>2</b> | <b>7</b> | <b>A</b>         | <b>B</b> | <b>E</b>       | <b>B</b> | <b>1</b>         | <b>1</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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