**WIV Series**
Wire Wound Inductor
Size 3225

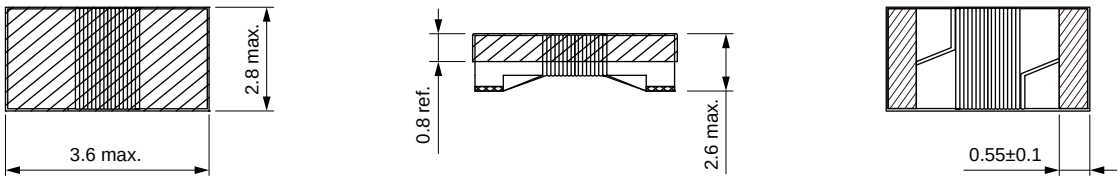
### FEATURES

- Ferrite core wire wound construc on
- High Reliability due to wire wound type construc on
- Small footprint as well as low profile
- Applica on for DC power line
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- AEC-Q200 qualified
- Opera ng temperature-55~+125℃ (Including self - temperature rise)
- Quan ty: 2000 pcs

### APPLICATION

- Filtering of supply voltages, coupling, decoupling
- DC/DC converters, switch-mode power supplies
- Entertainment equipment: car naviga ons, car audios
- Body control equipment like wipers, power windows

## Dimensions: [mm]




## Electrical Properties:

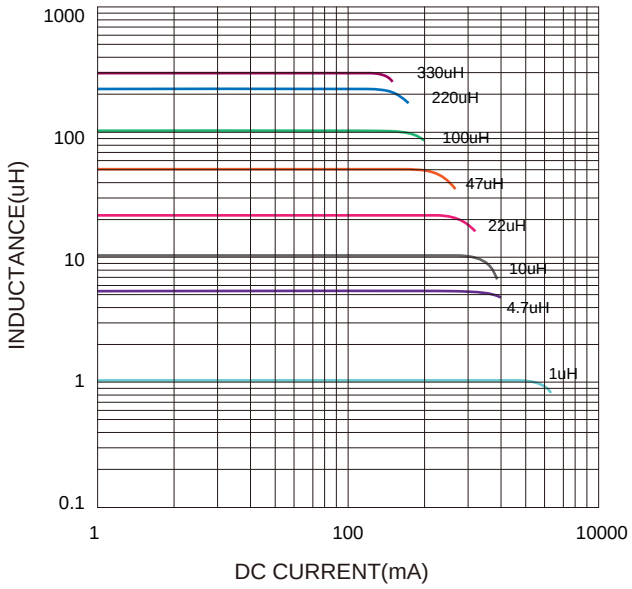
| Part No | Inductance (uH) | Tolerance | Test Frequency (Hz) | Q Min. | Test Frequency Q (MHz) | Temperature Rise Current Max. (mA) | DC Resistance Max. (Ω) | SRF Min. (MHz) |
|---|---|---|---|---|---|---|---|---|
| WIV3225-1R0K | 1.0 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1200 | 0.12 | 290 |
| WIV3225-1R5K | 1.5 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1000 | 0.13 | 260 |
| WIV3225-2R2K | 2.2 | ±10% | 0.5V/7.96M | 10 | 7.96 | 880 | 0.17 | 190 |
| WIV3225-3R3K | 3.3 | ±10% | 0.5V/7.96M | 10 | 7.96 | 775 | 0.22 | 64 |
| WIV3225-4R7K | 4.7 | ±10% | 0.5V/7.96M | 10 | 7.96 | 710 | 0.26 | 54 |
| WIV3225-6R8K | 6.8 | ±10% | 0.5V/7.96M | 10 | 7.96 | 660 | 0.30 | 34 |
| WIV3225-100K | 10 | ±10% | 0.5V/2.52M | 10 | 2.52 | 570 | 0.39 | 25 |
| WIV3225-150K | 15 | ±10% | 0.5V/2.52M | 10 | 2.52 | 440 | 0.66 | 17 |
| WIV3225-220K | 22 | ±10% | 0.5V/2.52M | 10 | 2.52 | 400 | 0.82 | 16 |
| WIV3225-330K | 33 | ±10% | 0.5V/2.52M | 10 | 2.52 | 285 | 1.50 | 12 |
| WIV3225-390K | 39 | ±10% | 0.5V/2.52M | 10 | 2.52 | 270 | 1.66 | 12 |
| WIV3225-470K | 47 | ±10% | 0.5V/2.52M | 10 | 2.52 | 260 | 1.90 | 10 |
| WIV3225-680K | 68 | ±10% | 0.5V/2.52M | 10 | 2.52 | 235 | 2.29 | 9.0 |

**KOHER Electronic**
**4546 BATES DRIVE, YORBLINDA CA 92886 USA**
**714-325-4789 Contact@kohergroup.com**

| Part No | Inductance (uH) | Tolerance | Test Frequency (Hz) | Q Min. | Test Frequency Q (MHz) | Temperature Rise Current Max. (mA) | DC Resistance Max. (Ω) | SRF Min. (MHz) |
|---|---|---|---|---|---|---|---|---|
| WIV3225-101K | 100 | ±10% | 0.5V/1M | 10 | 1.00 | 190 | 3.48 | 7.0 |
| WIV3225-151K | 150 | ±10% | 0.5V/1M | 10 | 1.00 | 140 | 6.55 | 5.0 |
| WIV3225-221K | 220 | ±10% | 0.5V/1M | 10 | 1.00 | 115 | 8.23 | 4.0 |
| WIV3225-331K | 330 | ±10% | 0.5V/1M | 10 | 1.00 | 98 | 13.7 | 2.8 |
| WIV3225-471K | 470 | ±10% | 0.5V/1M | 10 | 1.00 | 86 | 18.1 | 2.6 |
| WIV3225-681K | 680 | ±10% | 0.5V/1M | 10 | 1.00 | 76 | 22.0 | 2.3 |

## Typical Electrical Characteristics:

Inductance VS. Frequency Characteristics:




Impedance VS. Frequency Characteristics:

