

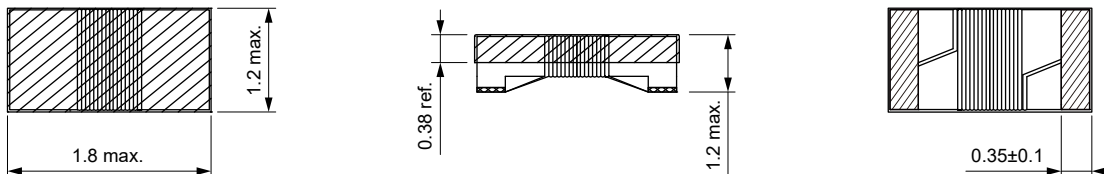
Wire Wound Inductor Size 1608



- Ferrite core wire wound construction
- High Reliability due to wire wound type construction
- Small footprint as well as low profile
- Application for DC power line
- Lead-free reflow soldering as referenced in JEDEC J-STD 020D and RoHS compliant
- AEC-Q200 qualified
- Operating temperature -55~+125°C (Including self-temperature rise)
- Quantity: 3000 pcs

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

Dimensions: [mm]



Electrical Properties:

| Part No | Inductance | Tolerance | Test Frequency | Q Min. | Test Frequency | Temperature Rise Current Max. | DC Resistance Max. | SRF Min. |
|--------------|------------|-----------|----------------|--------|----------------|-------------------------------|--------------------|----------|
| WIV1608-47NK | 0.047 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1400 | 0.075 | 1500 |
| WIV1608-R10K | 0.10 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1400 | 0.13 | 1150 |
| WIV1608-R12K | 0.12 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1400 | 0.15 | 1100 |
| WIV1608-R15K | 0.15 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1300 | 0.15 | 1050 |
| WIV1608-R18K | 0.18 | ±10% | 0.5V/7.96M | 10 | 7.96 | 1300 | 0.15 | 950 |
| WIV1608-R22K | 0.22 | ±10% | 0.5V/7.96M | 10 | 7.96 | 950 | 0.15 | 800 |
| WIV1608-R24K | 0.24 | ±10% | 0.5V/7.96M | 10 | 7.96 | 620 | 0.31 | 800 |
| WIV1608-R27K | 0.27 | ±10% | 0.5V/7.96M | 10 | 7.96 | 710 | 0.20 | 775 |
| WIV1608-R33K | 0.33 | ±10% | 0.5V/7.96M | 10 | 7.96 | 620 | 0.35 | 725 |
| WIV1608-R39K | 0.39 | ±10% | 0.5V/7.96M | 10 | 7.96 | 600 | 0.39 | 620 |
| WIV1608-R47K | 0.47 | ±10% | 0.5V/7.96M | 10 | 7.96 | 570 | 0.43 | 540 |

| Part No | Inductance | Tolerance | Test Frequency | Q Min. | Test Frequency | Temperature Rise Current Max. | DC Resistance Max. | SRF Min. |
|---------|------------|-----------|----------------|--------|----------------|-------------------------------|--------------------|----------|
| | 0.56 | ±10% | 0.5V/7.96M | 10 | 7.96 | 550 | 0.47 | 525 |
| | 0.68 | ±10% | 0.5V/7.96M | 10 | 7.96 | 470 | 0.52 | 460 |
| | 0.82 | ±10% | 0.5V/7.96M | 10 | 7.96 | 400 | 0.69 | 410 |
| | 1.0 | ±10% | 0.5V/7.96M | 10 | 7.96 | 400 | 0.81 | 190 |
| | 1.2 | ±10% | 0.5V/7.96M | 10 | 7.96 | 370 | 0.87 | 160 |
| | 1.5 | ±10% | 0.5V/7.96M | 10 | 7.96 | 350 | 0.96 | 100 |
| | 1.8 | ±10% | 0.5V/7.96M | 10 | 7.96 | 350 | 1.10 | 80 |
| | 2.2 | ±10% | 0.5V/7.96M | 10 | 7.96 | 320 | 1.20 | 68 |
| | 3.3 | ±10% | 0.5V/7.96M | 10 | 7.96 | 280 | 1.50 | 42 |
| | 3.9 | ±10% | 0.5V/7.96M | 10 | 7.96 | 280 | 1.50 | 40 |
| | 4.7 | ±10% | 0.5V/7.96M | 10 | 7.96 | 260 | 2.10 | 34 |
| | 5.6 | ±10% | 0.5V/7.96M | 10 | 7.96 | 240 | 2.60 | 32 |
| | 6.8 | ±10% | 0.5V/7.96M | 10 | 7.96 | 200 | 3.10 | 31 |
| | 8.2 | ±10% | 0.5V/7.96M | 10 | 8.2 | 190 | 4.40 | 26 |
| | 10 | ±10% | 0.5V/2.52M | 10 | ∞ | 180 | 4.80 | 25 |