# OWIRH103R - series

**Shielded inductors**

OLE WOLFF

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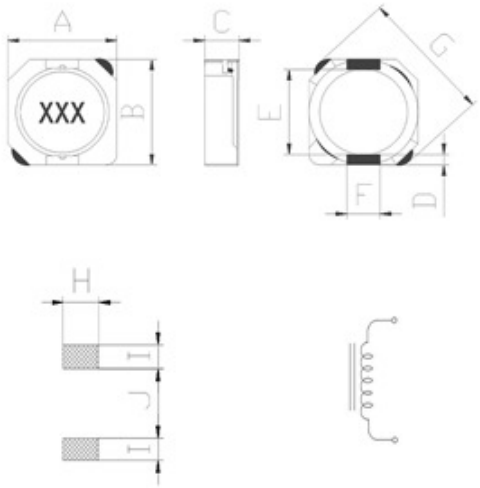


## Characteristics

| | |
|---|---|
| Test Voltage | **0.25V** |
| Parameters Test Temp | **25°C** |
| Operation Temp (Incl temp rise) | **-40°C to +125°C** |
| Storage Temp | **0~40°C** |
| Storage Humidity | **<70% RH** |
| Resistance to Soldering Heat | **260°C for 10 sec** |
| Rated Current | **L drops off 35% typ at Isat** |
| Temperature rise | **40°C typ. at Irms** |

## Features

- Shielded power inductor
- Various high power inductors are superior to be high saturation for surface mounting
- RoHS and REACH compliant

## Applications

- Power supply for VTR, OA equipment
- LCD TV sets
- Notebooks and PCs
- Portable communication equipment
- DC/DC converters
- Graphic cards

## Shape and dimensions [mm]

| A | B | C | D | E | F | G | H | I | J | Shape |
|---|---|---|---|---|---|---|---|---|---|---|
| 10.30 Max. | 10.50 Max. | 3.10 Max. | 1.20 Ref | 7.70 Ref | 3.00 Ref | 13.50 Ref | 3.20 Ref | 1.60 Ref | 7.30 Ref | |

| Product ID | Inductance | DCR [mOhm] | Isat [A] | Irms [A] | Irated [mA] | Idc max [mA] | Q (min) | SRF [MHz] | Samples |
|---|---|---|---|---|---|---|---|---|---|
| OWIRH103R-151 | 150.00 | 871.00 | 0.84 | - | | | | | Request samples |
| OWIRH103R-121 | 120.00 | 754.00 | 0.89 | - | | | | | Request samples |
| OWIRH103R-101 | 100.00 | 683.00 | 1.02 | - | | | | | Request samples |
| OWIRH103R-820 | 82.00 | 494.00 | 1.14 | - | | | | | Request samples |
| OWIRH103R-680 | 68.00 | 429.00 | 1.22 | - | | | | | Request samples |
| OWIRH103R-560 | 56.00 | 325.00 | 1.36 | - | | | | | Request samples |
| OWIRH103R-470 | 47.00 | 299.00 | 1.43 | - | | | | | Request samples |
| OWIRH103R-330 | 33.00 | 202.00 | 1.74 | - | | | | | Request samples |
| OWIRH103R-220 | 12.00 | 143.00 | 2.16 | - | | | | | Request samples |
| OWIRH103R-150 | 15.00 | 91.00 | 2.60 | - | | | | | Request samples |
| OWIRH103R-100 | 10.00 | 59.00 | 3.18 | - | | | | | Request samples |
| OWIRH103R-8R2 | 8.20 | 50.00 | 3.54 | - | | | | | Request samples |
| OWIRH103R-6R8 | 6.80 | 35.00 | 3.84 | - | | | | | Request samples |
| OWIRH103R-4R7 | 4.70 | 30.00 | 4.65 | - | | | | | Request samples |
| OWIRH103R-3R3 | 3.30 | 21.00 | 5.56 | - | | | | | Request samples |
| OWIRH103R-2R2 | 2.20 | 17.00 | 6.70 | - | | | | | Request samples |
| OWIRH103R-1R5 | 1.50 | 11.00 | 8.00 | - | | | | | Request samples |