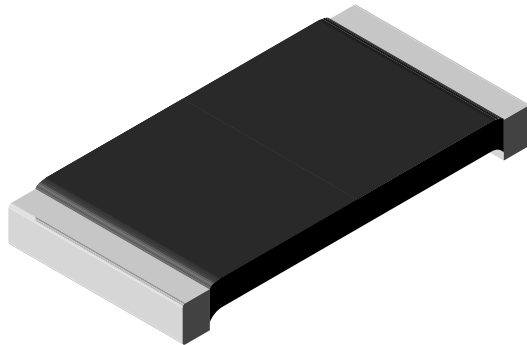




Zero Ohm Jumper (0.0002 Ω Max.), Solid Copper Strip, Surface-Mount Device



FEATURES

- All copper construction with solderable terminations
- Encapsulated with high temperature coating
- Very low inductance (< 2 nH)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS*
Available

HALOGEN FREE
Available

GREEN
[5-2008]
Available

Note

* This datasheet provides information about parts that are RoHS-compliant and/or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

| STANDARD ELECTRICAL SPECIFICATIONS | | | | |
|------------------------------------|------|---------------------|--------------------------------------|-------------------------------|
| GLOBAL MODEL | SIZE | CURRENT RATING A | WEIGHT (typical) g/1000 pieces | RESISTANCE VALUE MAX. Ω |
| WSL0603...9 | 0603 | 45 | 1.9 | 0.00025 |
| WSL0805...9 | 0805 | 50 | 4.8 | 0.0002 |
| WSL1206...9 | 1206 | 65 | 16.2 | 0.0002 |
| WSL2010...9 | 2010 | 75 | 38.9 | 0.0002 |
| WSL2512...9 | 2512 | 200 | 63.6 | 0.0002 |

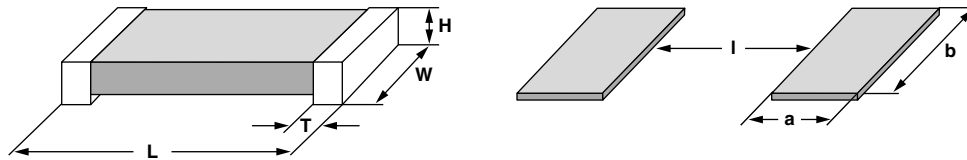
| GLOBAL PART NUMBER INFORMATION | | | | | | | | | | | | | | | |
|---|---|---|------------------|---|---|----------------|---|---|---|---|---|-------------------------------|---|---|---|
| Global Part Numbering: WSL251200000ZEA9 (WSL2512, jumper, lead (Pb)-free) | | | | | | | | | | | | | | | |
| W | S | L | 2 | 5 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | Z | E | A | 9 |
| GLOBAL MODEL | | | RESISTANCE VALUE | | | TOLERANCE CODE | | | PACKAGING CODE | | | SPECIAL | | | |
| WSL0603 WSL0805 WSL1206 WSL2010 WSL2512 | | | 00000 for jumper | | | Z for jumper | | | EA = lead (Pb)-free, tape / reel EK = lead (Pb)-free, bulk TA = Pb tape / reel (R86) BA = Pb bulk (B43) TG = tin / lead, tape / reel (RT1, for WSL0603 and WSL0805) | | | (dash number) 9 for jumper | | | |

Notes

- WSL marking: www.vishay.com/doc?30327
- Per PCN-DR-00009-2022-REV-0, WSL marking will be removed effective March 1st, 2023

| TECHNICAL SPECIFICATIONS | | |
|-----------------------------------|--------|--------------------------|
| PARAMETER | UNIT | RESISTOR CHARACTERISTICS |
| Temperature coefficient (nominal) | ppm/°C | 3900 |
| Operating temperature range | °C | -65 to +170 |
| Maximum resistance value | Ω | 0.0002 max. |

DIMENSIONS in inches (millimeters)

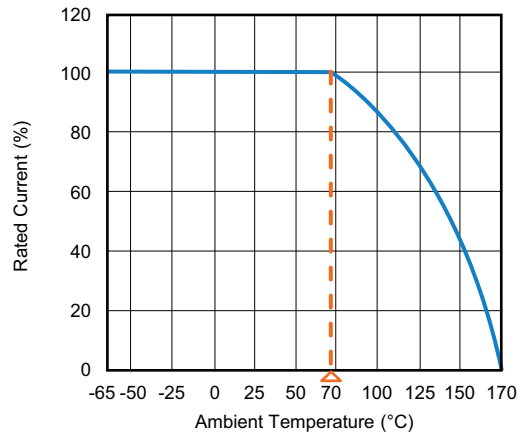


Note

- Surface-mount solder profile recommendations: www.vishay.com/doc?31052

| MODEL | DIMENSIONS | | | | SOLDER PAD DIMENSIONS | | |
|-------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|-----------------------|-----------------|-----------------|
| | L | W | H | T | a | b | l |
| WSL0603...9 | 0.060 ± 0.010 (1.52 ± 0.254) | 0.030 ± 0.010 (0.76 ± 0.254) | 0.013 ± 0.005 (0.330 ± 0.127) | 0.015 ± 0.010 (0.381 ± 0.254) | 0.040 (1.01) | 0.040 (1.01) | 0.020 (0.50) |
| WSL0805...9 | 0.080 ± 0.010 (2.03 ± 0.254) | 0.050 ± 0.010 (1.27 ± 0.254) | 0.013 ± 0.005 (0.330 ± 0.127) | 0.015 ± 0.010 (0.381 ± 0.254) | 0.040 (1.02) | 0.050 (1.27) | 0.020 (0.50) |
| WSL1206...9 | 0.126 ± 0.010 (3.20 ± 0.254) | 0.063 ± 0.010 (1.60 ± 0.254) | 0.025 ± 0.010 (0.635 ± 0.254) | 0.020 ± 0.010 (0.508 ± 0.254) | 0.062 (1.57) | 0.070 (1.78) | 0.030 (0.76) |
| WSL2010...9 | 0.200 ± 0.010 (5.08 ± 0.254) | 0.100 ± 0.010 (2.54 ± 0.254) | 0.025 ± 0.010 (0.635 ± 0.254) | 0.020 ± 0.010 (0.508 ± 0.254) | 0.055 (1.40) | 0.120 (3.05) | 0.130 (3.30) |
| WSL2512...9 | 0.250 ± 0.010 (6.35 ± 0.254) | 0.125 ± 0.010 (3.18 ± 0.254) | 0.025 ± 0.010 (0.635 ± 0.254) | 0.030 ± 0.010 (0.762 ± 0.254) | 0.065 (1.65) | 0.145 (3.68) | 0.160 (4.06) |

DERATING



| PACKAGING | | | | |
|-------------|--------------------------|-------------|-------------|------|
| MODEL | REEL | | | |
| | TAPE WIDTH | DIAMETER | PIECES/REEL | CODE |
| WSL0603...9 | 8 mm / punched paper | 178 mm / 7" | 5000 | EA |
| WSL0805...9 | 8 mm / punched paper | 178 mm / 7" | 5000 | EA |
| WSL1206...9 | 8 mm / embossed plastic | 178 mm / 7" | 4000 | EA |
| WSL2010...9 | 12 mm / embossed plastic | 178 mm / 7" | 4000 | EA |
| WSL2512...9 | 12 mm / embossed plastic | 178 mm / 7" | 2000 | EA |

Note

- Embossed carrier tape per EIA-481



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