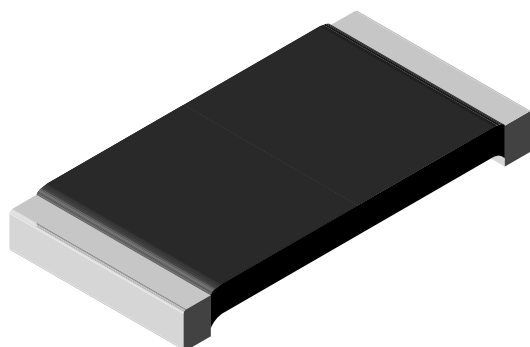


# Zero Ohm Jumper (0.0002 Ω Max.), Solid Copper Strip, Surface-Mount Device



## 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](http://www.vishay.com/doc?99912)



## 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)

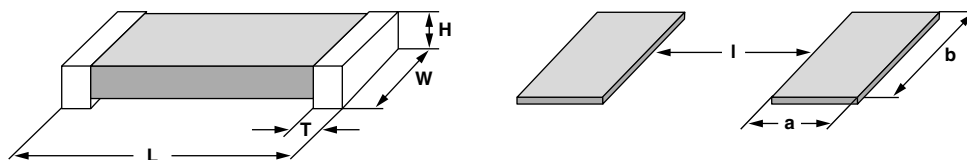
W	S	L	2	5	1	2	0	0	0	0	0	Z	E	A	9	
GLOBAL MODEL			RESISTANCE VALUE			TOLERANCE CODE			PACKAGING CODE			SPECIAL				
WSL0603 WSL0805 WSL1206 WSL2010 WSL2512			00000 for jumper			Z for jumper			EA = lead (Pb)-free, tape / reel EK = lead (Pb)-free, bulk TA = Pb tape / reel (R86) BA = Pb bulk (B43) TG = tin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

## Notes

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

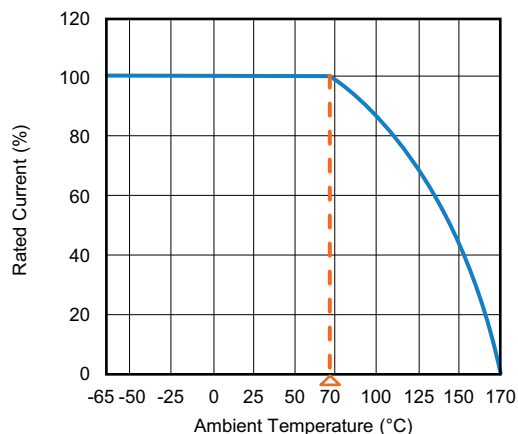
## TECHNICAL SPECIFICATIONS

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](http://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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