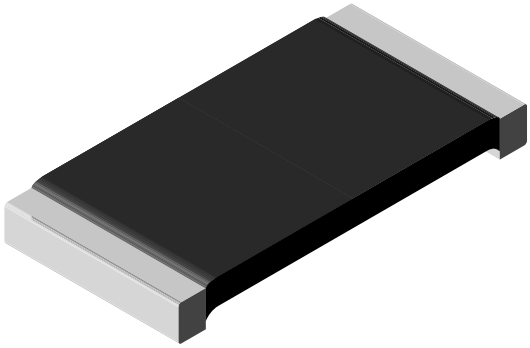
Zero Ohm Jumper (0.0002 Ω Max.), Solid Copper Strip, Surface-Mount Device



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

Pb-free Available

e3

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

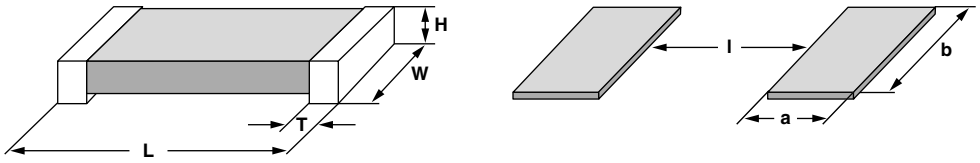
- WSL marking; www.vishay.com/doc?30327
- Per PCN-DR-00009-2022-REV-0, WSL marking will be removed effective March 1st, 2023

TECHNICAL SPECIFICATIONS

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

For technical questions, contact: ww2bresistors@vishay.com

DIMENSIONS in inches (millimeters)

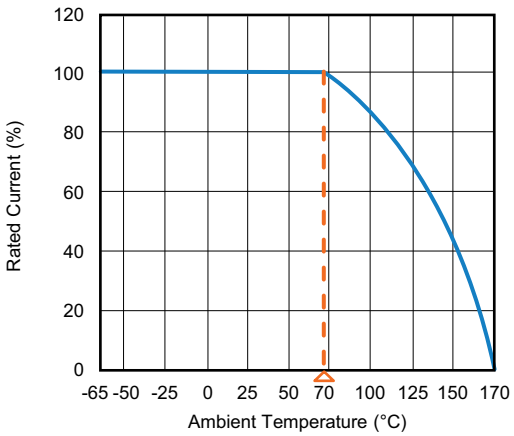


Note

- 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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