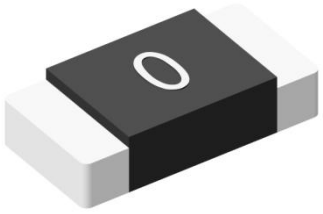
Zero-ohm jumper SMD resistor (0.0002Ω Max), pure copper package, SMT type

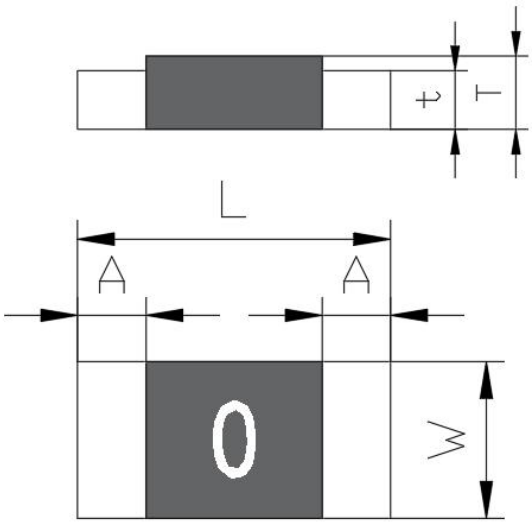


Features:

- Pure copper structure, ultra low resistance < 0.0002Ω, ideal for high- current bridging applications.
- Versatile for power layout jumper routing.
- RoHS compliant.
- Customization

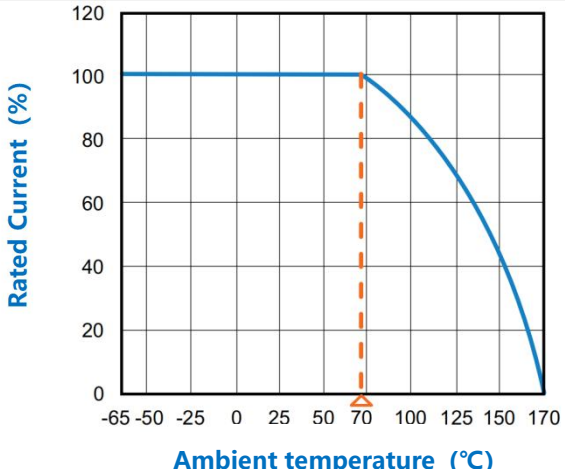
Parameter:	
Resistance value	< 0.2mΩ
Temperature range	-55℃ ~ +170℃
Inductance	<1nH
Rated Power	1W

Dimensions(mm):

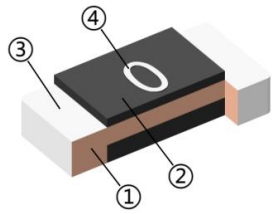


Series	Resistance Value	L (mm)	W (mm)	A (mm)	t (mm)	T (mm)
WSL1206	≤0.0002Ω	3.2±0.2	1.6±0.2	0.6±0.2	0.6±0.1	0.7±0.15

Derating Curve:

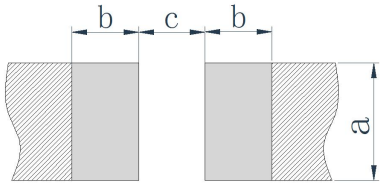


Construction:



1.Pure copper structure
2.High-temperature resistant, insulated & flame-retardant resin
3.Plating (Ni + Sn)
4.Markings

Recommended pad and size(mm):

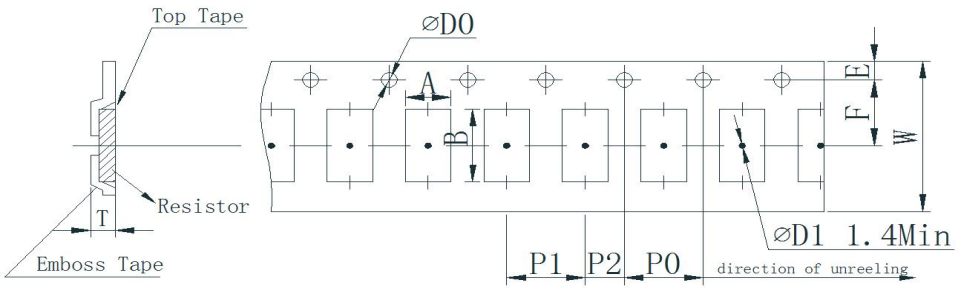


a (mm)	b (mm)	c (mm)
2.18	1.2	1.8

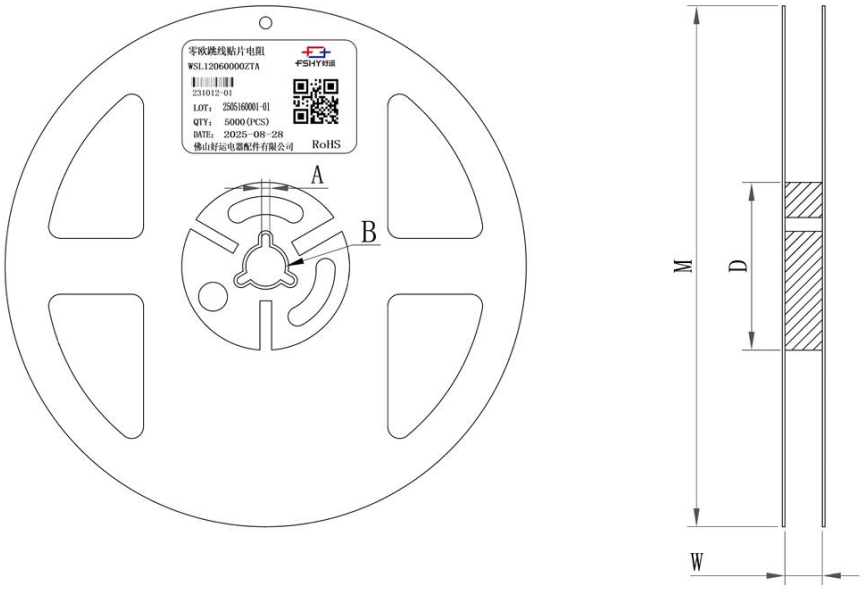
Performance:

Test Item	Standard	Test method
Solderability	No visible damage Minimum solderable area: 95%	IEC60115-1 4.17，245°C tin bath,3s
Short-time overload	R≤0.2mΩ	IEC60115-1 4.13，five times rated power,5s
Temperature cycle	R≤0.2mΩ	IEC60115-1 4.19，-55°C@30mins～+155°C@30mins；1000 cycles
High temperature storage	R≤0.2mΩ	IEC60115-1 4.25.3，1000hours@170°C，no load applied
High temp. & High humidity	R≤0.2mΩ	MIL-STD-202 Method 103, 1000 hours at 85℃ and 85% RH, with 10% rated power (current) or component limit current (whichever is lower) applied.
Load life	R≤0.2mΩ	IEC 60115-1 4.25.1，1000hours at 70℃±2℃，with rated current or component limit current (whichever is lower), 1.5h on / 0.5h off cycle
Withstand Voltage	No short circuit, no surface scorching.	Apply 500VAC for 1 min, leakage current ≤50mA

Packing specifications and size (Units:mm):



Type	A	B	W	E	F	P0	P1	P2	ΦD0	T	QTY
1206	1.9	3.5	8	1.75	3.5	4	4	2	1.5	1.0	5000



Reel Type	W	M	A	B	D
7"reel for8mm tape	8.3±0.5	Φ178±2.0	2.0±0.5	Φ13.5±0.5	Φ60.0±1.0

Version update record

Version NO.	Update record	Person in charge	发布日期
A0	Version Release	Qingke Zeng	2022/2/21
A1	Update resistor parameters	Qingke Zeng	2024/8/14
A2	Update reel & tape label contents	Yongguang Tang	2025/10/08
A3	Add temperature-power derating curve	Yongguang Tang	2026/3/23
A4	Add performance requirements	Yongguang Tang	2026/4/27