

Ultra-Low Chip Resistor Jumper - LRJ Series

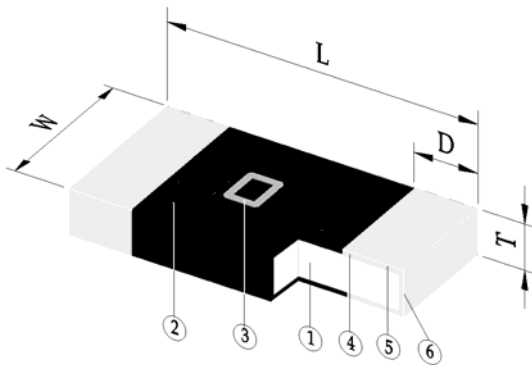
■ Features

- Ultra-Low resistance values Max. 0.5 mΩ
- High current application
- Pb Free

■ Applications

- NB
- Mobil Device
- Server
- Electrical tools
- Power Management

■ Construction

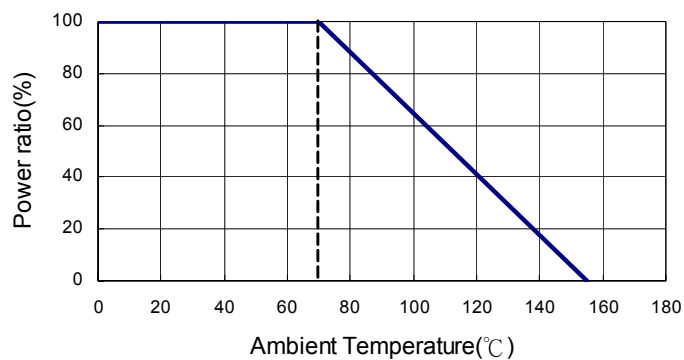


① Alloy Plate	④ Internal Electrode
② Overcoat	⑤ Barrier Layer
③ Marking	⑥ Solder Plating

■ Dimensions

Type	Size (Inch)	L (mm)	W (mm)	T (mm)	D (mm)
LRJ06	1206	3.00±0.20	1.50±0.20	0.50±0.20	0.55±0.20
LRJ10	2010	5.00±0.20	2.50±0.20	0.50±0.20	0.75±0.20

■ Derating Curve



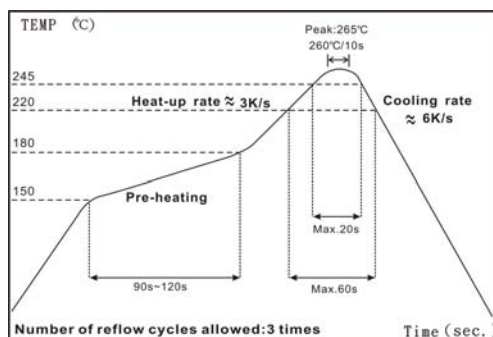
Part Numbering

LRJ	10	-	T	-		R0R0
Product Type	Dimensions (L×W)	Resistance Tolerance	Packaging Code	TCR (PPM/°C)	Power Rating	Resistance
	06: 1206 10: 2010	- No Specified	T: Taping Reel	- No Specified	: Standard	R0R0: Jumper

Standard Electrical Specifications

Item Type	Operating Temp. Range	Resistance Range (mΩ)	Rated Current (A)
LRJ06 (1206)	-55 ~ +155°C	0.5 mΩ Max.	40
LRJ10 (2010)	-55 ~ +155°C		57

Soldering Condition



IR Reflow Soldering

(1) Time of IR reflow soldering at maximum temperature point 260°C : 10s

Environmental Characteristics

Item	Requirement	Test Method
Solderability	95% min. coverage	JIS-C-5201-1 4.17 IEC-60115-1 4.17 245±5°C for 3 seconds
Resistance to Soldering Heat	Max. 0.5 mΩ	JIS-C-5201-1 4.18 IEC-60115-1 4.18 260±5°C for 10 seconds

RCWV(Rated Continuous Working Voltage)= $\sqrt{P \cdot R}$ or Max. Operating Voltage whichever is lower

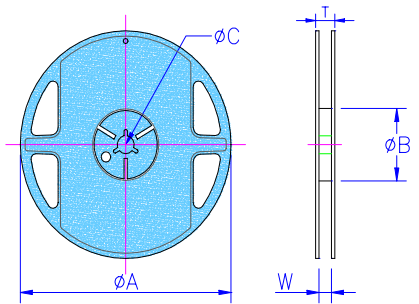
Operating Current = $\sqrt{P/R}$, Operating Voltage = $\sqrt{P \cdot R}$

Storage Temperature: 15~28°C; Humidity < 80%RH

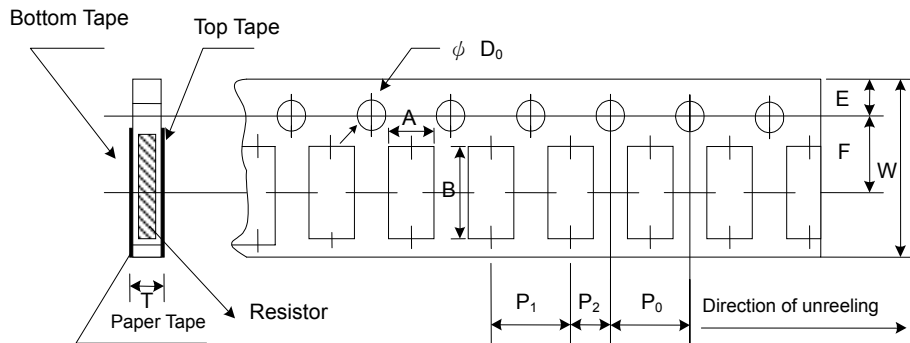
■Packaging

Reel Specifications & Packaging Quantity

Type	Packaging Quantity		Tape Width	Reel Diameter	ΦA (mm)	ΦB (mm)	ΦC (mm)	W (mm)	T (mm)
LRJ06	Paper	5K	8mm	7 inch	178.5±1.5	60 ^{+1/-0}	13.0±0.2	9.0±0.5	12.5±0.5
LRJ10	Embossed	4K	12mm	7 inch	178.5±1.5	60 ^{+1/-0}	13.0±0.5	13.0±0.5	15.5±0.5

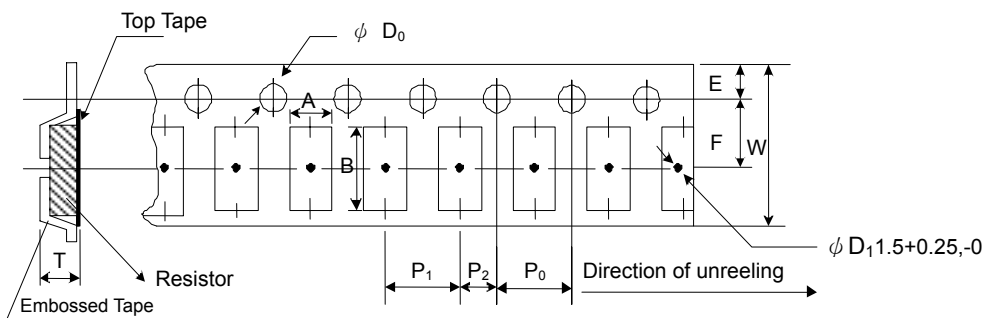


Paper Tape Specifications



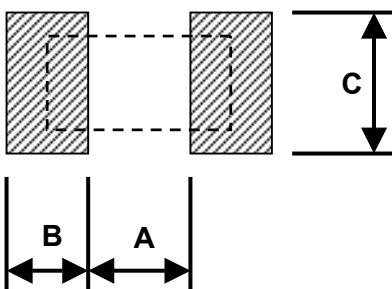
Type	A (mm)	B (mm)	W (mm)	E (mm)	F (mm)	P ₀ (mm)	P ₁ (mm)	P ₂ (mm)	ΦD ₀ (mm)	T (mm)
LRJ06	1.90±0.15	3.50±0.20	8.00±0.20	1.75±0.10	3.50±0.05	4.00±0.10	4.00±0.05	2.00±0.05	1.50+0.1/-0	0.85±0.10

Embossed Plastic Tape Specifications



Type	A (mm)	B (mm)	W (mm)	E (mm)	F (mm)	P ₀ (mm)	P ₁ (mm)	P ₂ (mm)	ΦD ₀ (mm)	T (mm)
LRJ10	2.80±0.10	5.50±0.20	12.0±0.30	1.75±0.10	5.5±0.05	4.00±0.10	4.00±0.10	2.00±0.05	1.50+0.1, -0	1.2 ⁺⁰

■Recommend Land Pattern



Type	A (mm)	B (mm)	C (mm)
LRJ06	2.00	0.90	1.60
LRJ10	3.80	0.90	2.80