

Ultra-low Ohmic Resistors for Current Detection(Wide terminal type)

PML100

●Features

- 1) Ultra-low resistance range (0.5mΩ-)
- 2) Wide terminal configuration for high joint reliability.
- 3) Unique trimless structure utilized for improved current detection accuracy.
- 4) ISO9001- / ISO/TS 16949- approved

●Quick reference

The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

Part No.	Size code	Rated power (70°C)	Resistance tolerance	Resistance value (mΩ)	Operating temperature range (°C)
PML100	6432	2W (3W at 25°C)	J (±5%)	1, 1.5, 2, 2.2	-55 to +155
		2W		0.5	

●Dimensions (Unit : mm)

The image shows two views of the PML100 resistor. The top view is a rectangle with width W and length L. The terminal width is a. The side view shows the thickness t and the terminal height b. The resistor is labeled '1L00'.

Part No.	Size code	L	W	t	a	b
PML100	6432	3.2±0.25	6.4±0.25	0.5 to 0.36*±0.15	0.45±0.25	0.8 to 0.7*±0.25

* : Each value range varies with the resistance.

●Part No. Explanation

P

M

L

1

0

0

H

Z

P

J

V

Part No.

Resistance tolerance

Special part number

Nominal resistance

J

±5%

Resistance code, 3 digits.	
Resistance Value	3 digits(J)
0.5mΩ	0L5
1mΩ	1L0
1.5mΩ	1L5
2mΩ	2L0
2.2mΩ	2L2

Packaging Specifications Code

Part No.	Code	Resistance tolerance J(±5%)	Packaging specifications	Reel	Basic ordering unit (pcs)
PML100	HZP	⊙	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000

Reel (φ180mm) : Compatible with JEITA standard "EIAJ ET-7200B"
⊙ : Standard product

●Packaging

Reel

EIAJ ET-7200B compliant

(Unit : mm)

A	B	C	D
φ180 ⁰ ₋₃	φ60 ⁺¹ ₀	13±0.3	φ13±0.2

Taping

(Unit : mm)

W	F	E	A0	B0
12.0±0.3	5.5±0.05	1.75±0.1	3.5±0.2	6.7±0.2
D0	P0	P1	P2	K
φ1.5 ^{+0.1} ₀	4.0±0.1	4.0±0.1	2.0±0.05	Max. 1.1

Notes

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