

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 central area is black and labeled '1L00'. The terminal width on each long side is 'a'. The side view shows the thickness 't' and the terminal height 'b' on both the top and bottom surfaces.

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

Part No.

H

Z

P

J

Resistance tolerance

J

±5%

V

Special part number

Nominal resistance

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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