

Ultra low ohmic resistors for current detection

PMR100

●Features

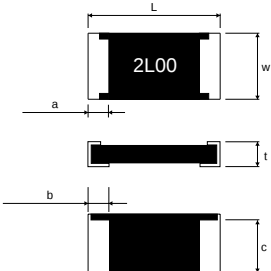
- 1) Ultra low-ohmic resistance range (1mΩ~)
- 2) Lowest height (≤0.6mm)
- 3) Improved current detection accuracy by trimming-less structure.
Highly recommended for large current / High speed switching circuit.
- 4) Completely Pb free product

●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)
PMR100	6432 (2512)	2W	F (±1%) J (±5%)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	−55 to +155

●External dimensions (Unit : mm)

	Part No.	Size code	L	W	t	a	b	c
	PMR100	6432 (2512)	6.4±0.25	3.2±0.25	0.52 to 0.32 [*] ±0.15	0.5±0.25	2.30 to 1.10 [*] ±0.25	2.65±0.25

* : Each value range varies with the resistance.

Resistors

●Product designation

P

M

R

1

0

0

H

Z

P

J

V

Part No.

Resistance tolerance

Special part number

Nominal resistance

F

±1%

J

±5%

U

5 to 10mΩ

V

1 to 4mΩ

Resistance code, 3 or 4 digits.

Resistance tolerance

Resistance code

F

:

4 digits

J

:

3 digits

ex) 1mΩF

1L00

1mΩJ

1L0

Packaging Specifications Code

Part No.	Code	Resistance tolerance		Packaging specifications	Reel	Basic ordering unit (pcs)
		J(±5%)	F(±1%)			
PMR100	HZP	⊙	⊙	Embossed tape (4mm Pitch)	φ180mm (7in.)	2,000

Reel (φ180) : 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

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