

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
- 5) 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	Temperature coefficient (ppm / °C)	Resistance value (mΩ)	Operating temperature range (°C)
PMR100	6432 (2512)	2W	F (±1%) J (±5%)	±100 *	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	−55 to +155

* ±150ppm / °C : 1mΩ, 2mΩ only

●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

●Part No. Explanation

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

Resistance Value (Ω)

Resistance Tolerance

J

F

1mΩ

1L0

1L00

2mΩ

2L0

2L00

3mΩ

3L0

3L00

4mΩ

4L0

4L00

5mΩ

5L0

5L00

6mΩ

6L0

6L00

7mΩ

7L0

7L00

8mΩ

8L0

8L00

9mΩ

9L0

9L00

10mΩ

10L

10L0

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

Notes

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