

Resistors

Ultra low ohmic resistors for current detection

PMR25

●Features

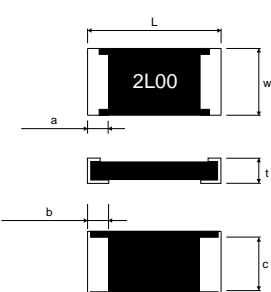
- 1) Ultra low-ohmic resistance range (1mΩ~)
- 2) Lowest height (≤0.6mm)
- 3) Improved current detection accuracy by trimming-less structure.
Highly recommended for large current / High speed switching circuit.
- 4) Completely Pb free product

●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)
PMR25	3225 (1210)	1W	F (±1%) J (±5%)	1, 2, 3, 4, 5	−55 to +155

●External dimensions (Unit : mm)

	Part No.	Size code	L	W	t	a	b	c
	PMR25	3225 (1210)	3.2±0.20	2.5±0.20	0.52 to 0.32 [*] ±0.15	0.5±0.20	1.00 to 0.80 [*] ±0.20	1.95±0.20

* : Each value range varies with the resistance.

Resistors

●Product designation

P	M	R	2	5	H	Z	P	J	V				
Part No.					Resistance tolerance				Special part number				Nominal resistance
					F	±1%			U	5mΩ			Resistance code, 3 or 4 digits. Resistance tolerance Resistance code F : 4 digits J : 3 digits
					J	±5%			V	1 to 4mΩ			
													ex) 1mΩF 1L00 1mΩJ 1L0

Packaging Specifications Code

Part No.	Code	Resistance tolerance		Packaging specifications	Reel	Basic ordering unit (pcs)
		J(±5%)	F(±1%)			
PMR25	HZP	⊙	⊙	Embossed tape (4mm Pitch)	φ180mm (7in.)	2,000

Reel (φ180) : Compatible with JEITA standard "EIAJ ET-7200B"

⊙ : Standard product

●Packaging

Reel

Diagram of a reel showing dimensions A, B, C, D, and a label. The reel is circular with a central hub and four spokes. The dimensions are defined as follows: A is the outer diameter, B is the inner diameter, C is the width of the reel, and D is the width of the central hub. The label is located on the central hub.

EIAJ ET-7200B compliant

(Unit : mm)

A	B	C	D
$\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$	$\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$	$9 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$	$\phi 13 \pm 0.2$

Taping

Diagram of a resistor tape showing dimensions W, F, E, A₀, B₀, P₀, P₁, P₂, and K. The tape is rectangular with a central hub and four spokes. The dimensions are defined as follows: W is the width of the tape, F is the width of the central hub, E is the width of the spokes, A₀ is the width of the central hub, B₀ is the width of the spokes, P₀ is the pitch between the central hub and the first spoke, P₁ is the pitch between the first and second spokes, P₂ is the pitch between the second and third spokes, and K is the width of the tape.

(Unit : mm)

W	F	E	A ₀	B ₀
8.0±0.3	3.5±0.05	1.75±0.1	3.0±0.1	3.5±0.1
D ₀	P ₀	P ₁	P ₂	K
$\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	4.0±0.1	4.0±0.1	2.0±0.05	Max. 1.1

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