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

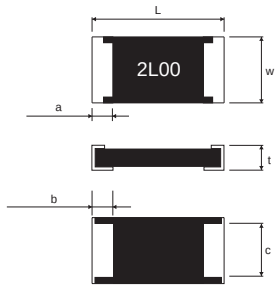
●Quick reference

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.

●Part No. Explanation

P	M	R	1	0	0	H	Z	P	J	V	□	□	□	□

Part No.

Resistance tolerance

F	±1%
J	±5%

Special part number

U	5 to 10mΩ
V	1 to 4mΩ

Nominal resistance

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

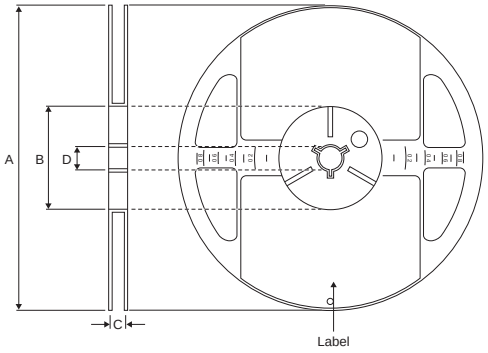
Packaging Specifications Code

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

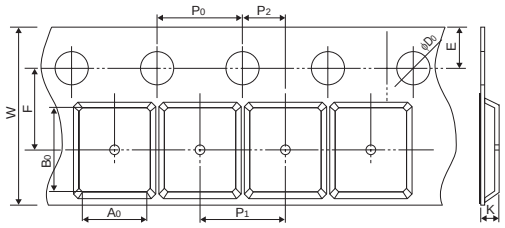


EIAJ ET-7200B compliant

(Unit : mm)

A	B	C	D
$\phi 180^{\ 0}_{-3}$	$\phi 60^{+1}_{\ 0}$	13±0.3	ϕ13±0.2

Taping



(Unit : mm)

W	F	E	A_0	B_0
12.0±0.3	5.5±0.05	1.75±0.1	3.5±0.2	6.7±0.2
D_0	P_0	P_1	P_2	K
$\phi 1.5^{+0.1}_{\ 0}$	4.0±0.1	4.0±0.1	2.0±0.05	Max. 1.1

Notes

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