Ultra low ohmic resistors for current detection

PMR50

●Features

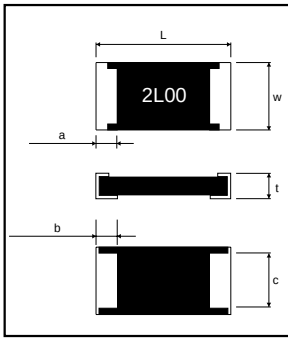
1) Ultra low-ohmic resistance range (1mΩ~)
2) Lowest height (≤0.6mm)
3) Improved current detection accuracy by trimming-less structure.
   Highly recommended for large current / High speed switching circuit.
4) Completely Pb free product

●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)
PMR50	5025 (2010)	1W	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
PMR50	5025 (2010)	5.0±0.20	2.5±0.20	0.52 to 0.32*±0.15	0.5±0.20	1.90 to 0.90*±0.20	1.95±0.20

* : Each value range varies with the resistance.

●Product designation

P	M	R	5	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

ex) 1mΩF	1L00
1mΩJ	1L0

Packaging Specifications Code

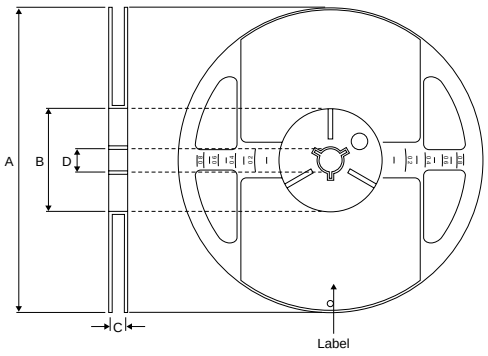
Part No.	Code	Resistance tolerance		Packaging specifications	Reel	Basic ordering unit (pcs)
		J(±5%)	F(±1%)			
PMR50	HZP	◎	◎	Embossed tape (4mm Pitch)	ϕ180mm (7in.)	2,000

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

◎ : Standard product

●Packaging

Reel

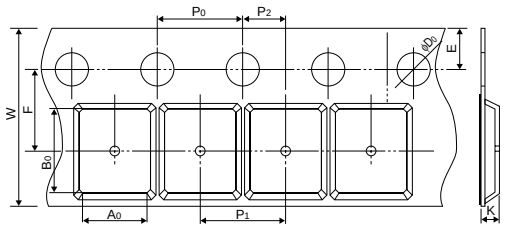


EIAJ ET-7200B compliant

(Unit : mm)

A	B	C	D
$\phi 180^{\ 0}_{-1.5}$	$\phi 60^{+1}_{0}$	$13^{+1.0}_{0}$	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	2.9±0.2	5.3±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

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