Ultra-Low Ohmic Resistors for Current Detection

PMR10

●Features

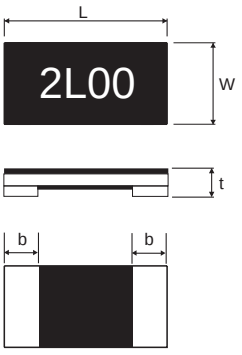
1) Ultra low-ohmic resistance range (2mΩ~)
2) Lowest height (≤0.5mm)
3) Improved current detection accuracy by trimming-less structure.
   Highly recommended for large current / High speed switching circuit.
4) Completely Pb free product
5) ISO9001- / ISO/TS 16949-approved

●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)
PMR10	2012 (0805)	1/2W	F (±1%) G (±2%) J (±5%)	±150	2, 3, 4, 5, 6, 7, 8, 9, 10	−55 to +155

●Dimensions (Unit : mm)



Part No.	Size code	L	W	t	b
PMR10	2012 (0805)	2.0±0.15	1.2±0.15	0.42 to 0.28*±0.15	0.6 to 0.2*±0.15

* : Each value range varies with the resistance.

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●Part No. Explanation

P M R 1 0 E Z P J V □ □ □ □

Part No.

Resistance tolerance

F	±1%
G	±2%
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
G	:	4 digits
J	:	3 digits

Resistance Value (Ω)	Resistance Tolerance J	F
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

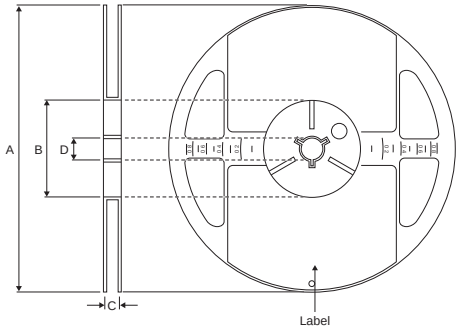
Packaging Specifications Code

Part No.	Code	Resistance tolerance J(±5%)	Resistance tolerance F(±1%)	Packaging specifications	Reel	Basic ordering unit (pcs)
PMR10	EZP	◎	◎	Paper tape (4mm Pitch)	ϕ180mm (7in.)	5,000

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

●Packaging

Reel

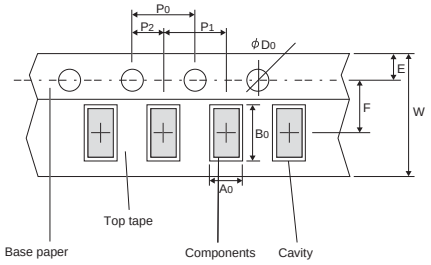


EIAJ ET-7200B compliant

(Unit : mm)

A	B	C	D
ϕ180 $^{0}_{-1.5}$	ϕ60 $^{+1}_{0}$	9 $^{+1.0}_{0}$	ϕ13±0.2

Taping



(Unit : mm)

W	F	E	A0	B0
8.0±0.3	3.5±0.05	1.75±0.1	1.65 $^{+0.2}_{-0.1}$	2.4 $^{+0.2}_{-0.1}$
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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ROHM CO., LTD. 21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan
TEL : +81-75-311-2121
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