

Ultra-low Ohmic Resistors for Current Detection (Wide terminal type)

PML50

***Under development**

●Features

- 1) Ultra-low resistance range (0.5mΩ-)
 - 2) Wide terminal configuration for high joint reliability.
 - 3) Unique trimless structure utilized for improved current detection accuracy.
- ISO9001- / ISO/TS 16949- approved

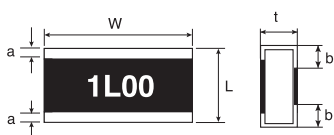
●Tentative specification

Part No.	Size code	Rated power (70°C)	Resistance tolerance	Resistance value (mΩ)	Operating temperature range (°C)
☆ PML50	5025 (2010)	1.5W (2W at 25°C)	J (±5%)	0.5, 1, 1.5, 2, 2.2	-55 to +155

☆ : Under development

The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

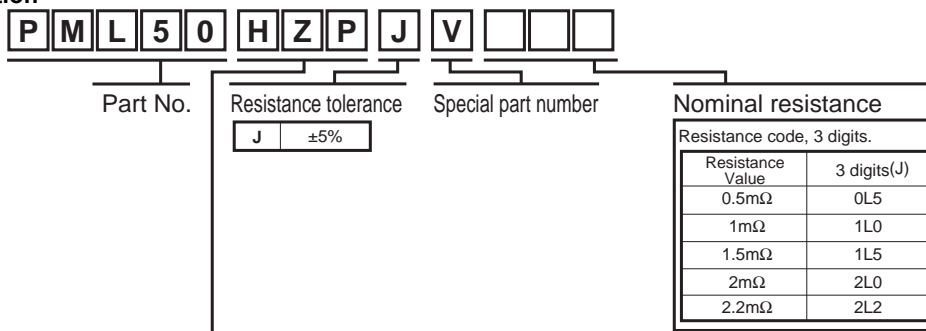
●Dimensions (Unit : mm)



Part No.	Size code	L	W	t	a	b
PML50	5025	2.5±0.20	5.0±0.20	0.52 to 0.32*±0.15	0.4±0.20	1.0 to 0.5*±0.20

*: Each value range varies with the resistance.

●Part No. Explanation



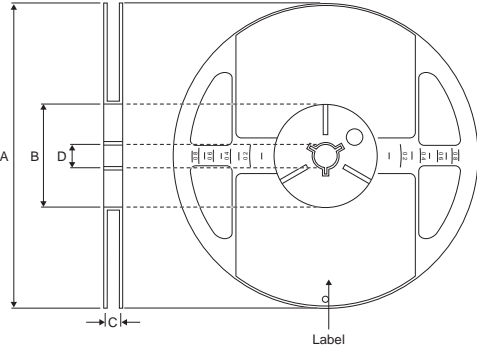
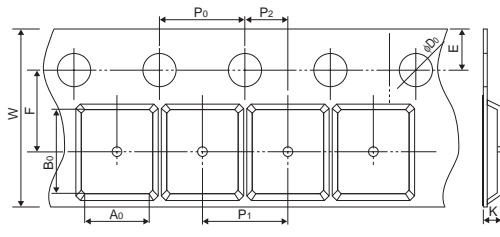
Packaging Specifications Code

Part No.	Code	Resistance tolerance J(±5%)	Packaging specifications	Reel	Basic ordering unit (pcs)
PML50	HZP	☆	Embossed tape (4mm Pitch)	φ180mm (7inch)	2,000

Reel (φ180mm) : Compatible with JEITA standard "EIAJ ET-7200B"

☆ : Under development

●Packaging

Reel	Taping																												
 <p style="text-align: center;">Label</p> <p style="text-align: center;">EIAJ ET-7200B compliant</p> <p style="text-align: center;">(Unit : mm)</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">$\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$</td> <td style="text-align: center;">$\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">$13 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">$\phi 13 \pm 0.2$</td> </tr> </tbody> </table>	A	B	C	D	$\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$	$\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$	$13 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$	$\phi 13 \pm 0.2$	 <p style="text-align: right;">(Unit : mm)</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th>W</th> <th>F</th> <th>E</th> <th>A₀</th> <th>B₀</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">12.0 ± 0.3</td> <td style="text-align: center;">5.5 ± 0.05</td> <td style="text-align: center;">1.75 ± 0.1</td> <td style="text-align: center;">2.9 ± 0.2</td> <td style="text-align: center;">5.3 ± 0.2</td> </tr> <tr> <th>D₀</th> <th>P₀</th> <th>P₁</th> <th>P₂</th> <th>K</th> </tr> <tr> <td style="text-align: center;">$\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">4.0 ± 0.1</td> <td style="text-align: center;">4.0 ± 0.1</td> <td style="text-align: center;">2.0 ± 0.05</td> <td style="text-align: center;">Max. 1.1</td> </tr> </tbody> </table>	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	$\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$	4.0 ± 0.1	4.0 ± 0.1	2.0 ± 0.05	Max. 1.1
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Notes

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