



MZB1001T02, Material Comparison Data

Oct 2025

Murata Manufacturing Co., Ltd.

Introduction

MPDZ-251010-01

- Although the product has shipped to a wide range of customers since our mass production in 2012, due to a part of material suppliers decided to discontinue its supply, we would like to apply the following material changes for keeping consistent/continuity supply while contributing to a sustainable society and enhancing environmental compatibility.

*Please note that the updated products are expected to keep the same functionality and reliability as the current products.

Applicable product information

| Applicable part numbers | | Remarks |
|-------------------------|-------------------|---------|
| Custsomer's part number | Our part number | |
| ***** | MZB1001T02 | *** |

Change details

MPDZ-251010-01

Please refer to the following 3 items.

*Please note that the updated products are expected to keep the same functionality and reliability as the current products.

1. Change in material for the products surface cap due to the supplier's end-of-life (EOL)

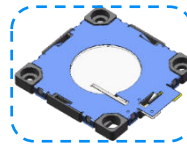
Following the conventional supplier's EOL announcement, we had investigated/studied new materials and decided to apply an alternative material manufactured by another supplier. *Regarding the actual image of the material, please refer to the following page.

MZB1001T02 Cap material



As is: Supplier A
To be: Supplier B

MZB1001T02, bottom view



MZB1001T02, Top view

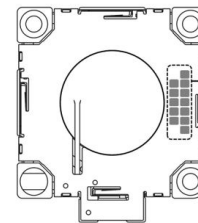


2. Adopting PFAS-free (perfluoroalkyl substances free) materials

In addition to the above activities, considering an environmental perspective, we have decided to adopt PFAS-free adhesive for our products.

3. Updating marking information

To identify the updated products easily from the previous one, we update marking information.



印字例 Example



上段: 品名

Upper Line: Product name

下段: 西曆(下2桁)&週番号

Middle Line: Year & Week

Newly changed marking
(blue text)



(1) (2) (3)

(1) Year
(2) Month
(3) Lot No

*Since all information are under development, it might be changed.

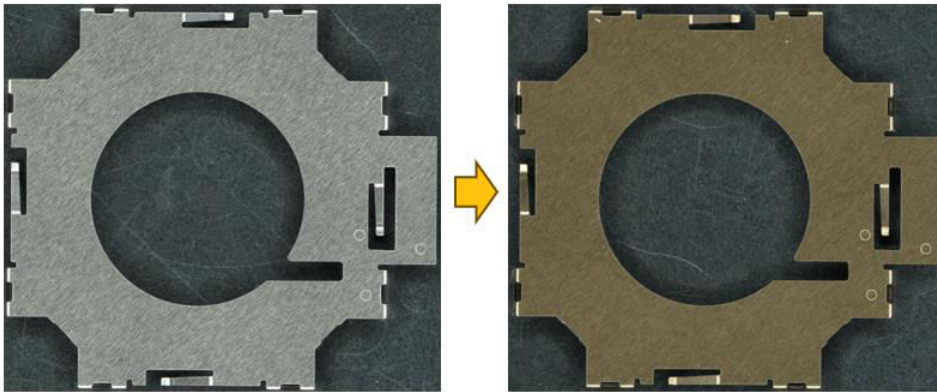
Appendix, comparison of new/old “cap materials”

MPDZ-251010-01

According to the change in cap material, the surface color of the material will be changed as below.

*Please note that the updated products are expected to keep the same functionality and reliability as the current products.

Cap Material surface color comparison



As is:

To be:

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Appendix, comparison of new/old one

MPDZ-251010-01

*Please note that the updated products are expected to keep the same functionality and reliability as the current products.

| Rating | Item | Current product | | New product | |
|----------------------------|--|-------------------|---|-------------------------|-------------------------|
| | | Specification | Condition | Specification (Draft) | Condition |
| | Allowable Input Voltage Range(Sine-wave) | 10 to 17 Vp-p | - | Same as current product | - |
| | Maximum Input Voltage (Sine-wave) | 25Vp-p | - | ↑ | - |
| | Operating Temperature Range | 10 to +40 °C | - | ↑ | - |
| | Storage Temperature Range | -20 to +70 °C | - | ↑ | - |
| | Operating humidity Range | +10 to +85 % | - | ↑ | - |
| | Operating Air-pressure Range | 700hPa to 1060hPa | - | ↑ | - |
| Electrical Characteristics | Item | Specification | Condition | Specification | Condition |
| | Resonant Frequency | 24.0 to 27.0kHz | 5-1-1, 5-1-2, 5-2 | Same as current product | Same as current product |
| | Flow Rate | ≥0.70L/min. | 5-1-1, 5-1-2, 5-2 in Background pressure 0kPa | ↑ | ↑ |
| | Static Pressure | ≥1.42kPa | 5-1-1, 5-1-2, 5-2 | ↑ | ↑ |
| Dimensions | Item | Specification | Condition | Specification | Condition |
| | Outside dimension/tolerance | 20±0.15mm | | Same as current product | Same as current product |
| | thickness tolerance | 1.85±0.2mm | except the nozzle | ↑ | ↑ |
| | Nozzle height/tolerance | 1.60±0.15mm | from top of the nozzle to top plate | ↑ | ↑ |

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MZB1002T02A01, Material Comparison Data

Oct 2025

Murata Manufacturing Co., Ltd.

A red geometric shape, possibly a stylized triangle or part of a logo, located in the top-left corner of the slide.

Introduction

MPDZ-251010-02

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Applicable product information

MPDZ-251010-02

| Applicable part numbers | | Remarks |
|-------------------------|-------------------|---------|
| Custsomer's part number | Our part number | |
| ***** | MZB1001T02 | *** |

Change details

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MPDZ-251010-02

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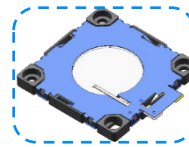
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MZB1001T02, Top view

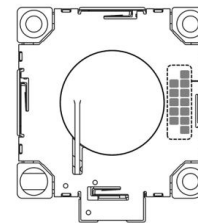


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印字例 Example

M Z B 1 0 0 1
M 1 1 0 5

上段: 品名

Upper Line: Product name

下段: 西暦(下2桁)&週番号

Middle Line: Year & Week

Newly changed marking
(blue text)

M MZB1001
2510001
(1) (2) (3)

(1) Year
(2) Month
(3) Lot No

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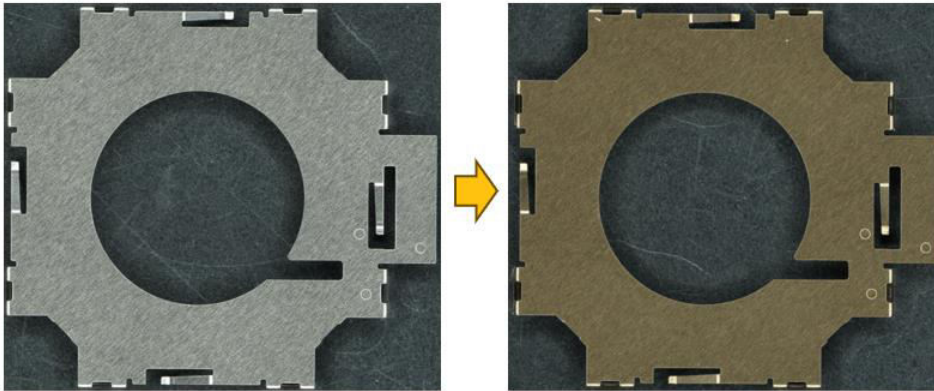
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| | Operating Air-pressure Range | 700hPa to 1060hPa | - | ↑ | - |
| Electrical Characteristics | Item | Specification | Condition | Specification | Condition |
| | Resonant Frequency | 24.0 to 27.0kHz | 5-1-1, 5-1-2, 5-2 | Same as current product | Same as current product |
| | Flow Rate | 0.70 to 1.1L/min. | 5-1-1, 5-1-2, 5-2 in Background pressure 0kPa | ↑ | ↑ |
| | Flow Rate2 | Min0.65L/min | Input Sineusoidal Voltage : 17Vp-p Air-pressure : 700hPa Temperature : +10°C in Background pressure 0kPa | ↑ | ↑ |
| | Static Pressure | ≥ 1.42kPa | 5-1-1, 5-1-2, 5-2 | ↑ | ↑ |
| Dimensions | Item | Specification | Condition | Specification | Condition |
| | Outside dimension/tolerance | 20±0.15mm | | Same as current product | Same as current product |
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MPN

MZB1001T02

MZB1002T02A1

Document Receipt Acknowledgement

Date:
Section:
Name:



Document Number: D09037-A-D7300
PD Ref.: 1-0001-18015
Date: Oct. 16, 2025

Attention:
TTI

4M Change Notice

(Microblower)MZB1001T02

Dear. Valued Customer

Thank you very much for your great and continued support for business with Murata.
This is the official notification that some of our products' 4M Change will be proceeded as detailed below.
Please review the contents, and confirm that you will expect to receive products after this 4M Change.
Your understanding and support are highly appreciated.

1. Product Type, Changes, and Customer/Murata/Alternative Part Numbers:

Product Type: (Microblower)MZB1001T02

Changes: Man Machine Material Method

Products Surface Cap, Adhesive, Marking will be changed.

Please refer to the attached documents for detailed Part Numbers' information.

2. Reasons/Background:

Change in material for the products surface cap due to the supplier's end-of-life (EOL)
In addition, considering the environmental perspective,
we have also decided to adopt PFAS-free adhesive for our products.

3. Products Before and After the Change:

The new products are expected to keep the same functionality and reliability as the current produ
There are changes of the products' Appearance(Color and Marking), due to this 4M Change.
Please refer to the attached file for further details.

4. Change Schedule:

The updated product's shipment will be started after **Apr 2027**. ※

※After running out of the material stocks for the current products.

5. Contact Window:

If you have any questions or concerns,
please contact Murata Sales, Representative, or Distributor in your area.

6.Request regarding information handling

We kindly request that the information provided by us not be disclosed or
shared with third parties,including data base providers or by posting on websites.

Truly Yours. Thank you.

Murata Manufacturing, Co., Ltd.
Medical Products Business Department Marketing & Business Creation Section
Daisuke Sakai

Parts

MZB1001T02