# BMA5xy in Wafer Level Chip Scale Package
## Shipment and Packaging Details

## BMA5xy in WLCSP - Shipment and Packaging Details

| | |
|---|---|
| Document revision | 1.1 |
| Document release date | January 2025 |
| Document number | BST-MAS-SP000-01 |
| Sales Part Number(s) | 0 273 017 042, 0 273 017 046, 0 273 017 041 |
| Notes | Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance. The technical details and legal disclaimer of the respective product data sheet apply. |

# Table of Contents

# 1 Inner box



Table 1: Dimension of inner box



| Width (w) | Length (l) | Height (h) |
|-----------|------------|------------|
| ~37cm | ~35cm | ~4cm |

# 2 Outer Box

## 2.1   Dimensions

The size of the outer box depends on delivered quantity.

Table 2: Dimension and capacity of outer boxes

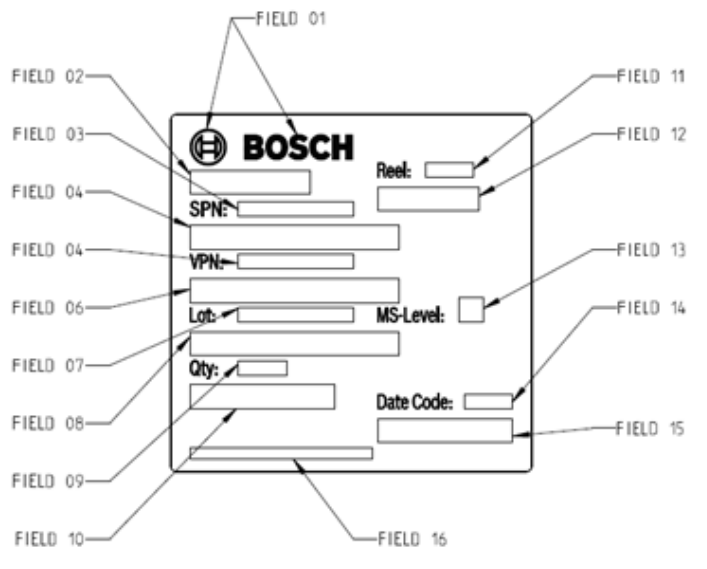| Carton Type | Capacity | Dimension |
|---|---|---|
| Carton 2 | Up to 3 inner boxes | 42*42*15 cm |
| Carton 5 | Up to 6 inner boxes | 42*42*28 cm |
| Carton 10 | Up to 11 inner boxes | 42*42*39 cm |
| Carton 15 | Up to 15 inner boxes | 42*42*68 cm |

## 2.2   Weights

Table 3: Weights

| Weight [kg]* depending on reels in carton: | Carton 2 | Carton 5 | Carton 10 | Carton 15 |
|---|---|---|---|---|
| 1 reel | 1.4 | 1.5 | 1.5 | 2.3 |
| 2 reels | 1.9 | 2.0 | 2.1 | 2.8 |
| 3 reels | 2.5 | 2.6 | 2.6 | 3.4 |
| 4 reels | - | 3.1 | 3.2 | 3.9 |
| 5 reels | - | 3.7 | 3.7 | 4.5 |
| 6 reels | - | 4.2 | 4.3 | 5 |
| 7 reels | - | - | 4.8 | 5.6 |
| 8 reels | - | - | 5.4 | 6.1 |
| 9 reels | - | - | 5.9 | 6.7 |
| 10 reels | - | - | 6.5 | 7.2 |
| 11 reels | - | - | 7.0 | 7.8 |
| 12 reels | - | - | - | 8.3 |
| 13 reels | - | - | - | 8.9 |
| 14 reels | - | - | - | 9.4 |
| 15 reels | - | - | - | 10.0 |

* Weights may vary slightly depending on product and inner box

# 3 Bar Code labeling

## 3.1 Label design and fields



The dimension of the bar code label is approximately 72mm x 73mm (h x w).
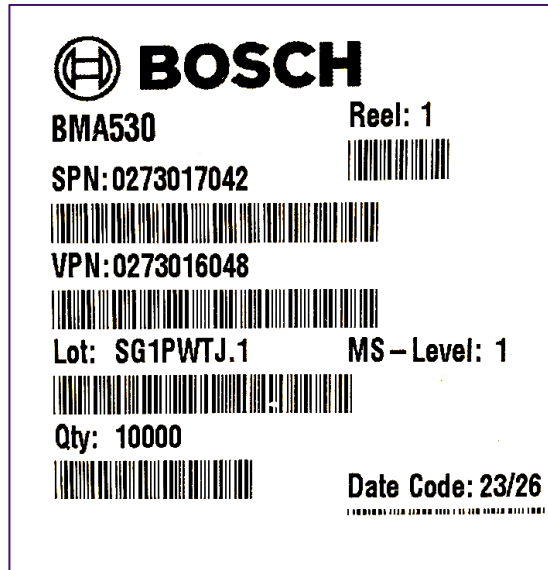
Notes:
- The ink on the label is lead-free.
- Heat-pressure method for label is used.
- Bar code label is on reel and the inner box

Table 4: Label fields description

| Field | Description | Format |
|---|---|---|
| 01 | Bosch Symbol | |
| 02 | Part description | Text |
| 03 | Sales Part Number (SPN) | Text |
| 04 | | Barcode |
| 05 | Bosch internal number (VPN) | Text |
| 06 | | Barcode |
| 07 | Lot Number | Text |
| 08 | | Barcode |
| 09 | Quantity | Text |
| 10 | | Barcode |
| 11 | Reel number | Text |
| 12 | | Barcode |
| 13 | MS-Level | Text |
| 14 | Date Code | Text (yy/ww) |
| 15 | | Barcode |
| 16 | CoO / Made in* | Text |

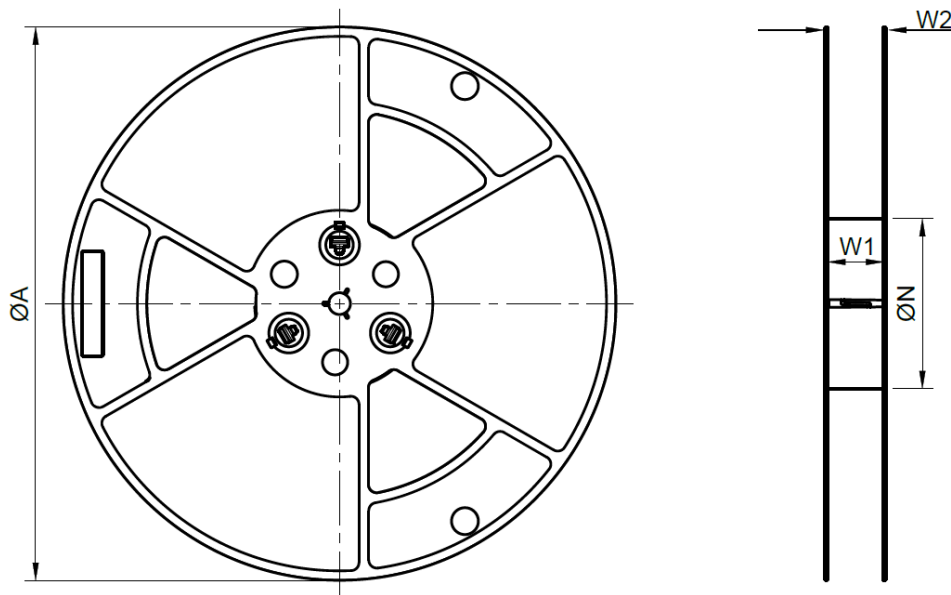\* except for Taiwan: only Made in Taiwan, no CoO

## 3.2   Label example: BMA530



# 4   Reel dimensions

▪ 1 reel contains 10,000 parts



| Tape | ØA [mm] | ØN [mm] | W1 [min] | W2 [max] |
|------|---------|---------|----------|----------|
| 08   | 330     | 100     | 8,4      | 14,4     |

# 5   Document history and modification

| Rev. No | Chapter | Description of modification/changes | Date |
|---------|---------|-------------------------------------|------|
| 1.0 | all | Initial release | July 2023 |
| 1.1 | 1 | Correction of inner box dimensions | Jan 2025 |
|     | 2 | New capacities and weights |  |