BMA5xy in Wafer Level Chip Scale Package
Shipment and Packaging Details



BMA5xy in WLCSP - Shipment and Packaging Details

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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.

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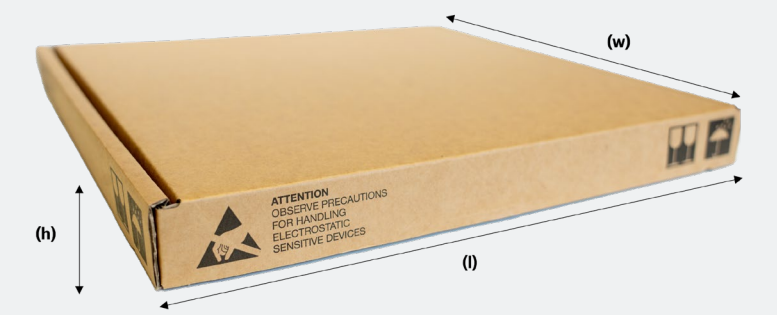
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1 Inner box



Table 1: Dimension of inner box



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

2 Outer Box



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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

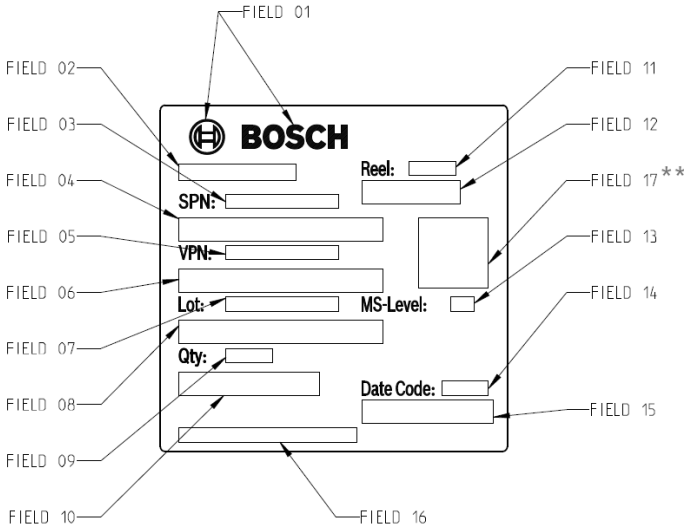
Weight [kg]* depending on reels in carton:	Carton 2	Carton 5	Carton 10	Carton 15
1 reel	1.4	1.5	1.5	2.3
2 reels	1.9	2.0	2.1	2.8
3 reels	2.5	2.6	2.6	3.4
4 reels	-	3.1	3.2	3.9
5 reels	-	3.7	3.7	4.5
6 reels	-	4.2	4.3	5
7 reels	-	-	4.8	5.6
8 reels	-	-	5.4	6.1
9 reels	-	-	5.9	6.7
10 reels	-	-	6.5	7.2
11 reels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

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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	Image
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
17**	Bosch internal Data Matrix Code	Data Matrix

* except for Taiwan: only Made in Taiwan, no CoO
** coming B/2027, only on label for inner box

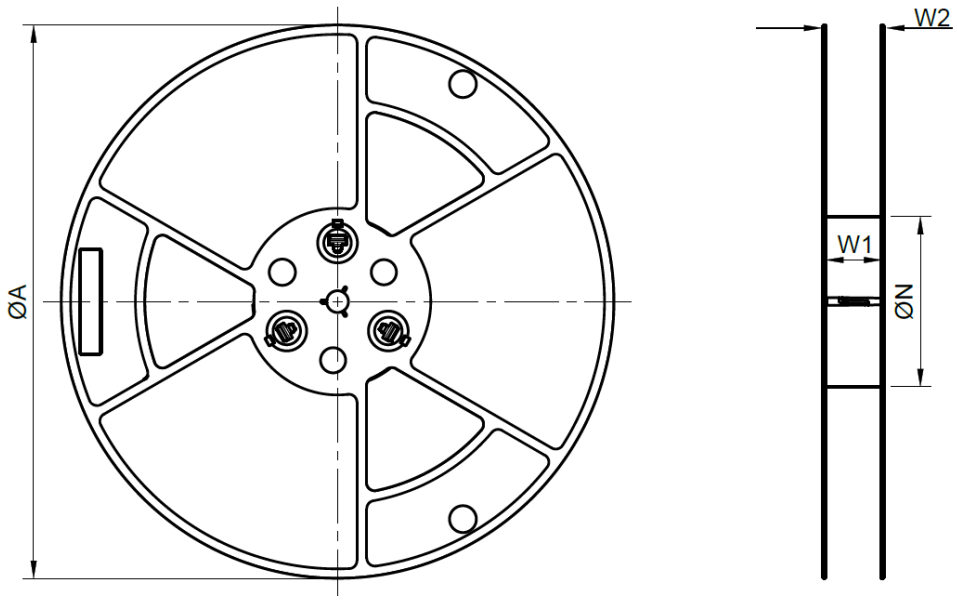
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3.2 Label example: BMI423



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

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5 Document history and modification

Rev. No	Chapter	Description of modification/changes	Date
1.0	all	Initial release	July 2023
1.1	1 2	Correction of inner box dimensions New capacities and weights	Jan 2025
1.2	3.1/3.2	Field 17 for Data Matrix added in table and pictures	October 2026

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