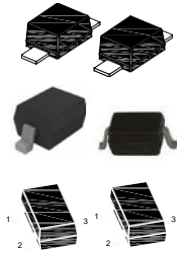


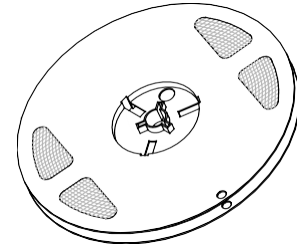
Packaging Specification for 7" Reel SMD Diodes & Transistors

1. The method of packaging and dimension are shown as below figure. (Dimension in mm)

- SOD-123
- SOD-123BL
- SOD-323
- SOD-323BL
- SOD-523
- SOT-23

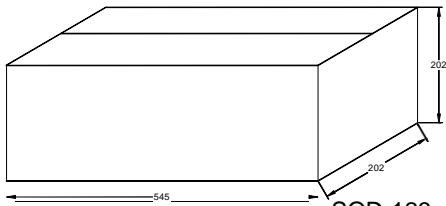


- SOD-123, SOD-123BL : 3,000 pcs per reel
- SOD-323, SOD-323BL : 3,000 pcs per reel
- SOD-523 : 4,000 pcs per reel
- SOT-23 : 3,000 pcs per reel

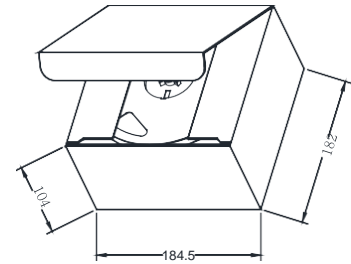


- SOD-123, SOD-123BL : 24,000 pcs per box
- SOD-323, SOD-323BL : 24,000 pcs per box
- SOD-523 : 40,000 pcs per box
- SOT-23 : 24,000 pcs per box

Note: 8 reels per box



- SOD-123, SOD-123BL : 120,000 pcs per carton
 - SOD-323, SOD-323BL : 120,000 pcs per carton
 - SOD-523 : 160,000 pcs per carton
 - SOT-23 : 120,000 pcs per carton
- Note: 5 boxes per carton



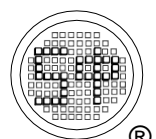
2. Label

2.1 The information of inner box label must be listed: (Description of a sample label)

- 2.1.1 **TYPE 1N4148WT** means (Product) TYPE (Part No.)
- 2.1.2 **QTY 32,000 PCS** means (Product) Quantity (QTY)
- 2.1.3 **D/C SLOB3N0917S01** means Dice Lot No. / Code (D/C)
- 2.1.4 **P/C DBEB0822A** means Production Code (P/C)
- 2.1.5 **RMK 50121** means Manufacturing Date (RMK)

2.2 The information of carton label must be listed:

- 2.2.1 TYPE
- 2.2.2 QTY

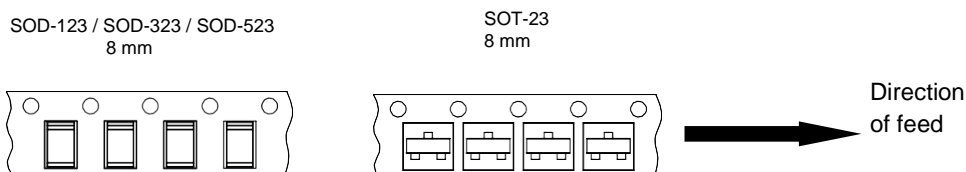


Tape and Reel Specifications and Packaging Specifications for Surface Mounted Mold Diodes

Embossed Tape and Reel is used to facilitate automatic pick and place equipment feed requirements. The tape is used as the shipping container for various products and requires a minimum of handling. The antistatic / conductive tape provides a secure cavity for the product when sealed with the “peel-back” cover tape.

- Reel Sizes Available 7"
- SOD-123 / SOD-323 / SOD-523 / SOT-23 in 8 mm Tape
- Used for Automatic Pick and Place Feed Systems

Use the standard device title and add the required suffix as listed in the option table on the following page. Note that the individual reels have a finite number of devices depending on the type of product contained in the tape. Also note the minimum lot size is one full reel for each line item, and orders are required to be in increments of the single reel quantity.

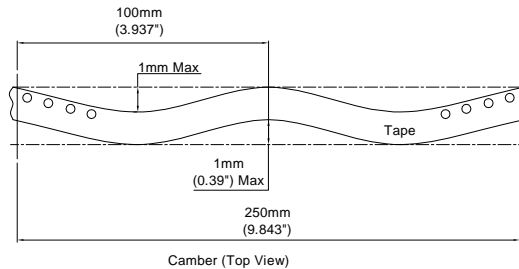
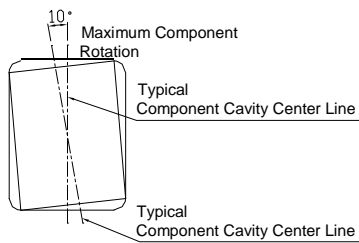
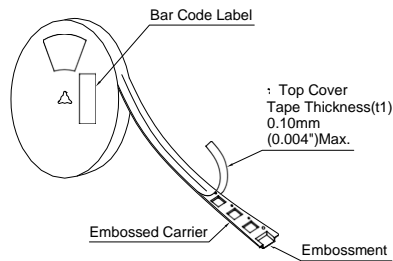
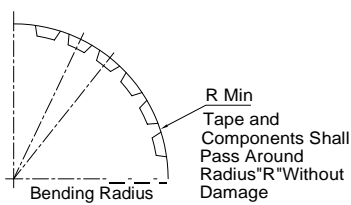
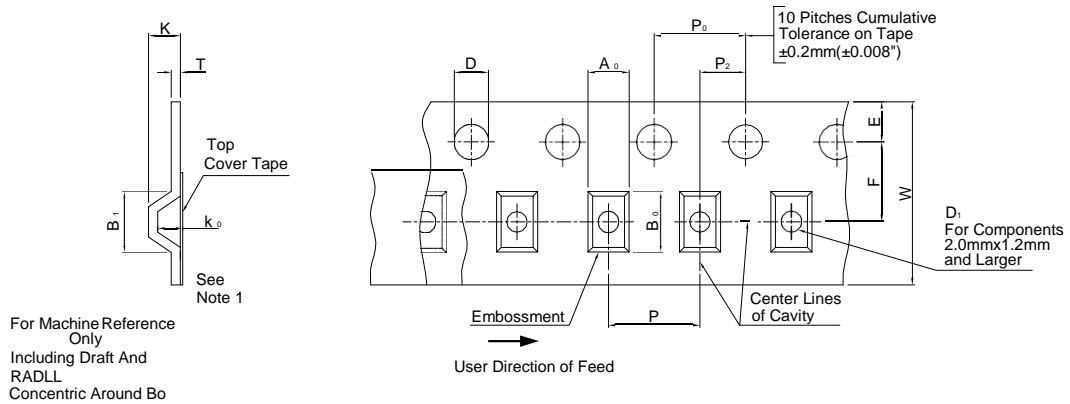


EMBOSSSED TAPE AND REEL ORDERING INFORMATION

Package	Tape Width (mm)	Pitch		Reel Size		Devices Per Reel and Minimum Order Quantity
		mm	(inch)	mm	(inch)	
SOD-123	8	4 ± 0.1	(0.157 ± 0.004)	178	7	3000
SOD-323	8	4 ± 0.1	(0.157 ± 0.004)	178	7	3000
SOD-523	8	4 ± 0.1	(0.157 ± 0.004)	178	7	4000
SOT-23	8	4 ± 0.1	(0.157 ± 0.004)	178	7	3000



Embossed Tape and Reel Data for SOD Carrier Tape Specifications



Allowable Camber To Lmm/100mm Nonaccumulative Over 250mm

Dimensions

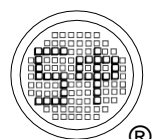
Tape Size	B1 Max.	D	D1	E	F	K	P0	P2	R Min.	T Max.	W Max.
8 mm	4.55mm (0.179")	1.5 +0.1mm -0.0 (0.059")	1.0 mm Min (0.039")	1.75 ± 0.1 mm (0.069 ± 0.004")	3.5 ± 0.05 mm (0.138 ± 0.002")	2.4 mm Max (0.094")	4 ± 0.1 mm (0.157 ± 0.004")	2 ± 0.1 mm (0.079 ± 0.002")	25 mm (0.98")	0.6 mm (0.024")	8.3 mm (0.327")

Metric dimensions govern-English are in parentheses for reference only.

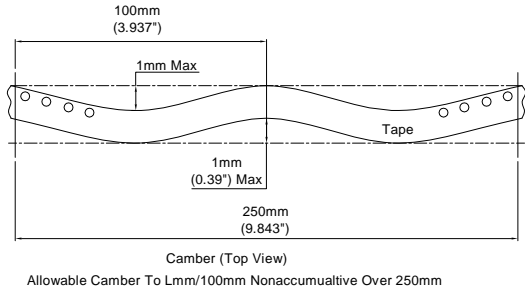
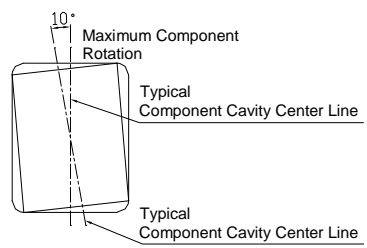
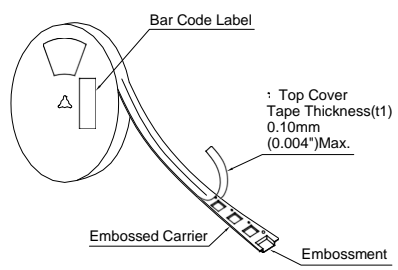
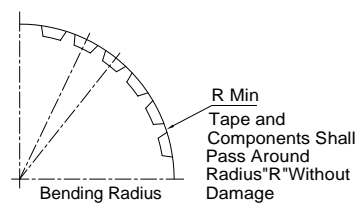
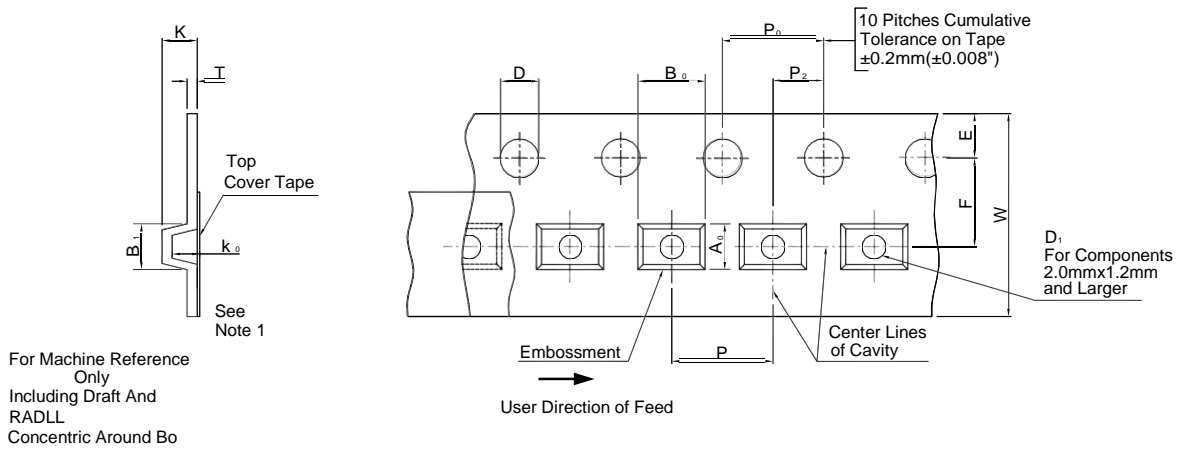
Note 1: A₀, B₀, and K₀ are determined by component size. The clearance between the components and the cavity must be within 0.05 mm min. to 0.5 mm max.

The component cannot rotate more than 10° within the determined cavity.

If B₁ exceeds 4.2 mm(0.165") for 8 mm embossed tape, the tape may not feed through all tape feeders.



Embossed Tape and Reel Data for SOT Series Carrier Tape Specifications



Dimensions

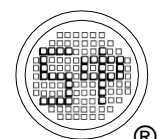
Tape Size	B1 Max.	D	D1	E	F	K	P0	P2	R Min.	T Max.	W Max.
8 mm	4.55mm (0.179")	1.5 +0.1mm -0.0 (0.059")	1.0 mm Min (0.039")	1.75 ± 0.1 mm (0.069 ± 0.004")	3.5 ± 0.05 mm (0.138 ± 0.002")	2.4 mm Max (0.094")	4 ± 0.1 mm (0.157 ± 0.004")	2 ± 0.1 mm (0.079 ± 0.002")	25 mm (0.98")	0.6 mm (0.024")	8.3 mm (0.327")

Metric dimensions govern-English are in parentheses for reference only.

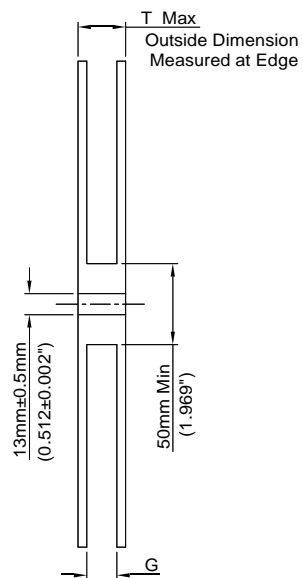
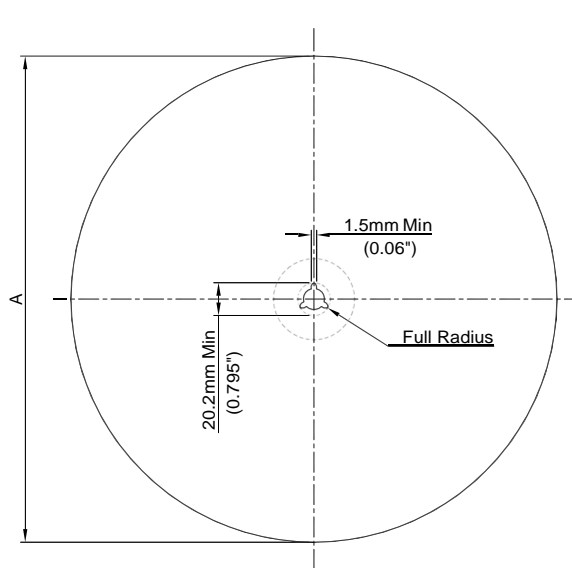
Note 1: A₀, B₀, and K₀ are determined by component size. The clearance between the components and the cavity must be within 0.05 mm min. to 0.5 mm max.

The component cannot rotate more than 10° within the determined cavity.

If B₁ exceeds 4.2 mm(0.165") for 8 mm embossed tape, the tape may not feed through all tape feeders.



Surface Mounted Reel Specifications



Inside Dimension
Measured Near Hub

Size	A (Max.)	G	T (Max.)
8 mm	178 mm (7.007")	8.4 mm + 1.5 mm, -0.0 (0.33" + 0.059", -0.00)	14.4 mm (0.56")

Reel Dimensions

Metric Dimensions Govern - English are in parentheses for reference only

