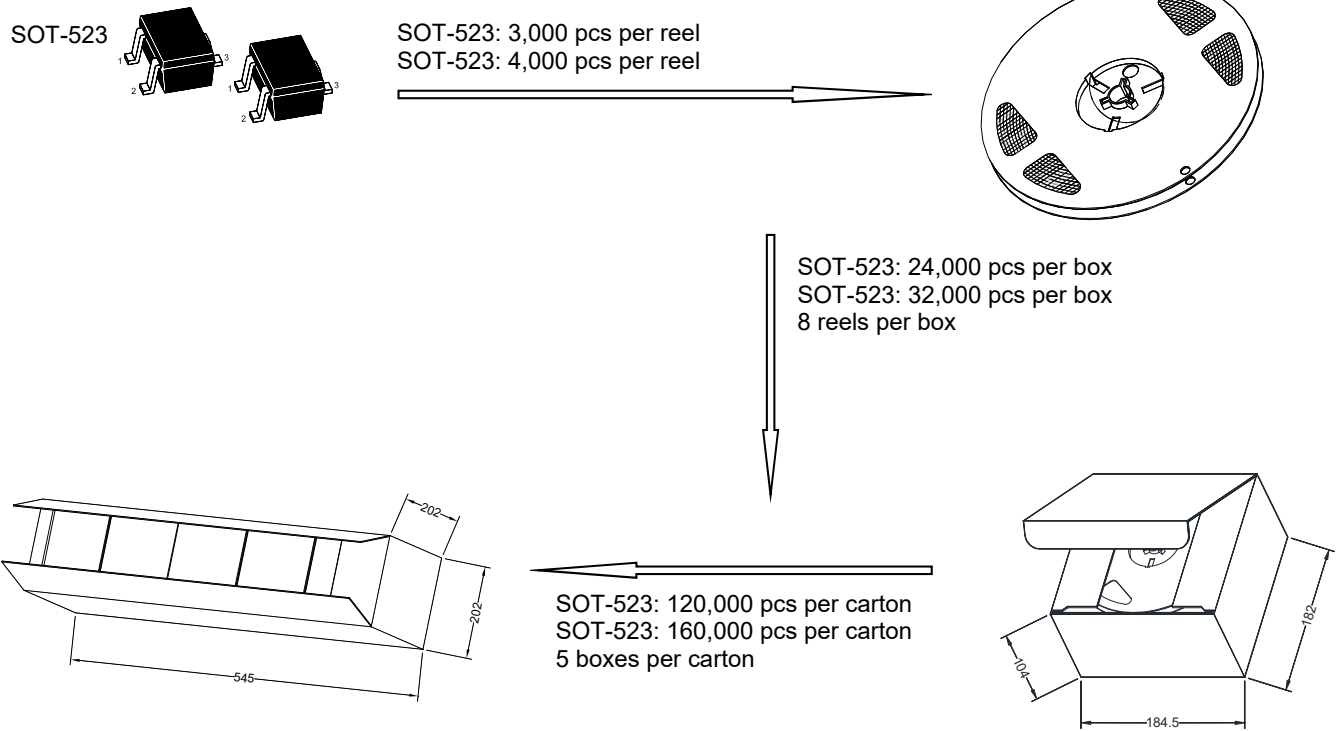


Packaging Specification for 7" Reel SOT-523 Diodes & Transistors

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



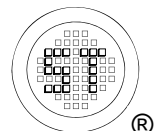
2. Label

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

2.1.1	TYPE		means (Product) TYPE (Part No.)
2.1.2	P/O:		means (Order No.) P/O (Part No.)
2.1.3	P/N:		means (Customer No.) P/N (Part No.)
2.1.4	QTY		means (Product) Quantity (QTY)
2.1.5	D/C		means Dice Lot No. / Code (D/C)
2.1.6	P/C		means Production Code (P/C)
2.1.7	RMK		means Manufacturing Date (RMK)

2.2 The information of carton label must be listed:

- 2.2.1 TYPE
- 2.2.2 QTY

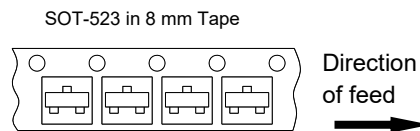


Tape and Reel Specifications and Packaging Specifications for Surface Mounted Mold Diodes & Transistor

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.

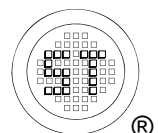
- Two reel sizes available (7")
- SOT-523 in 8 mm Tape
- Used for automatic pick and place feed systems

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.

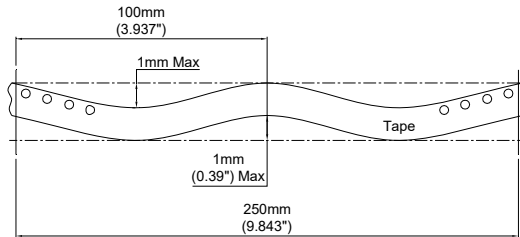
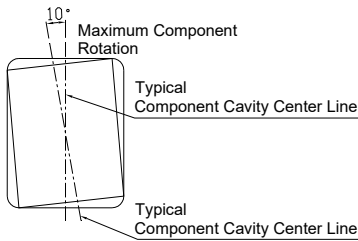
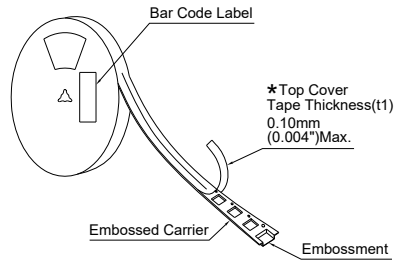
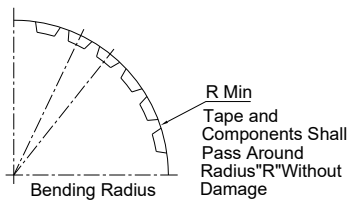
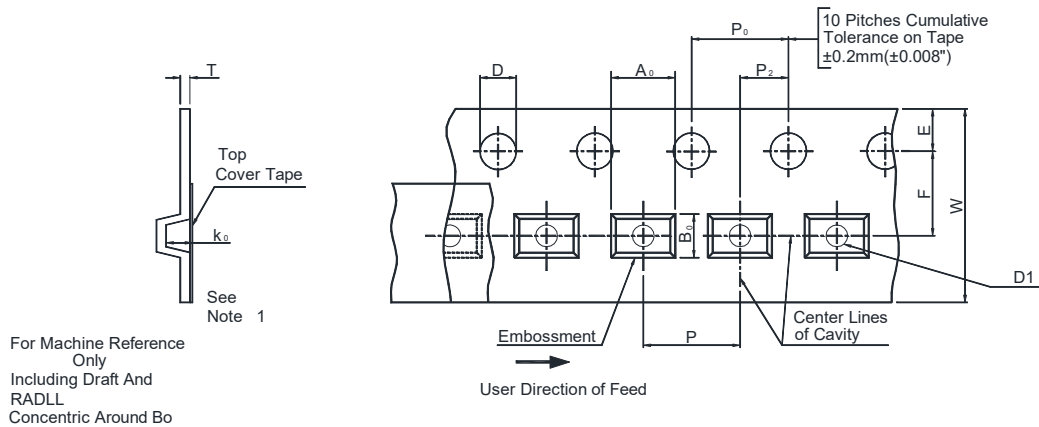


EMBOSSSED TAPE AND REEL ORDERING INFORMATION

Package	Tape Width (mm)	Pitch		Reel Size		Devices Per Reel and Minimum Order Quantity
		mm	(inch)	mm	(inch)	
SOT-523	8	4 ± 0.1	(0.157 ± 0.004)	178	(7)	3,000 4,000



Embossed Tape and Reel Data for SOT-523 Carrier Tape Specifications



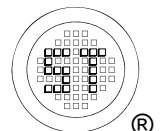
Dimensions

Package	Tape Size	D	D1	E	F	P	P ₀	P ₂	R Min.	T Max.	W Max.
SOT-523	8 mm	1.5 +0.1 mm -0.0 (0.059")	0.6 mm Max (0.024")	1.75 ± 0.1 mm (0.069 ± 0.004")	3.5 ± 0.05 mm (0.138 ± 0.002")	4 ± 0.1 mm (0.157 ± 0.004")	4 ± 0.1 mm (0.157 ± 0.004")	2 ± 0.1 mm (0.079 ± 0.004")	25 mm (0.98")	0.25 mm (0.01")	8.3 mm (0.327")

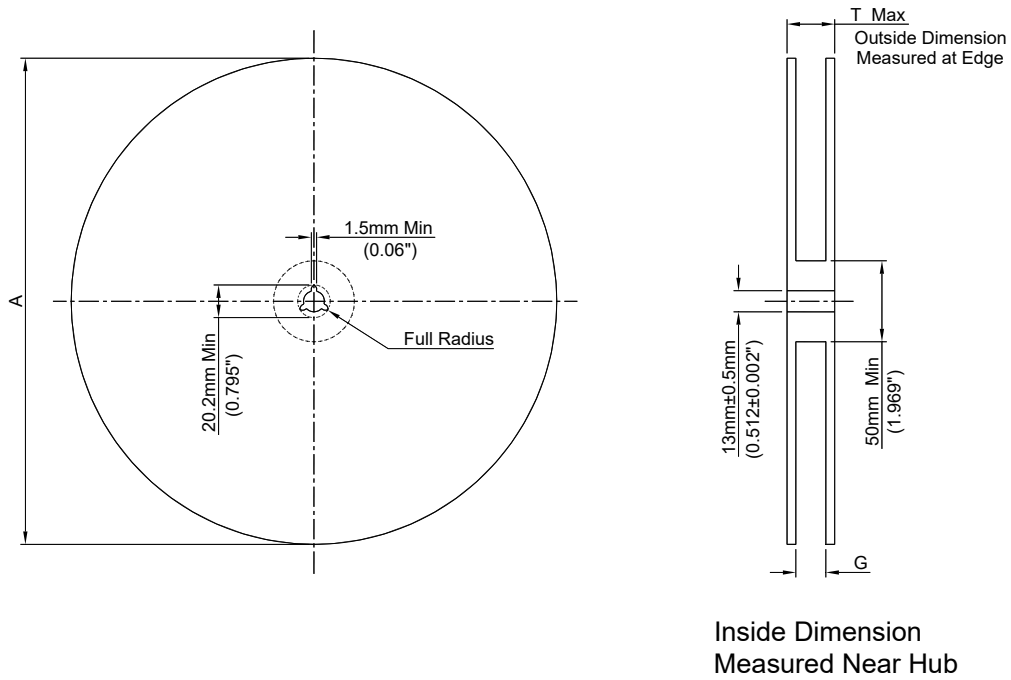
Metric dimensions govern-English are in parentheses for reference only.

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.



Surface Mounted Reel Specifications



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

