

# MDE Semiconductor, Inc.

201 Shipyard Way, Unit C, Newport Beach, CA., USA 92663 Tel : 760-564-8656 • Fax : 760-564-2414  
 1-800-831-4881 Email: sales@mdesemiconductor.com Web: www.mdesemiconductor.com

## SURFACE MOUNT

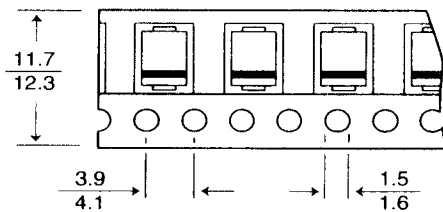
### Minimum Packing Quantity

Body	Manufacturers Logo	Available Packaging	
		Tape & Reel	
		7"0 Qty.	13"0 Qty.
SMB	MDE	500	3K
SMC	MDE	500	3K

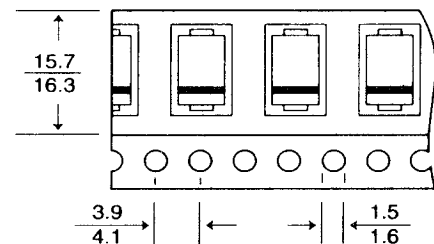
Note:  
 Quantities listed above are for minimum packaging quantity only.

### Tape Dimensions And Orientation (Dimensions in mm)

**SMBJ (12mm)**



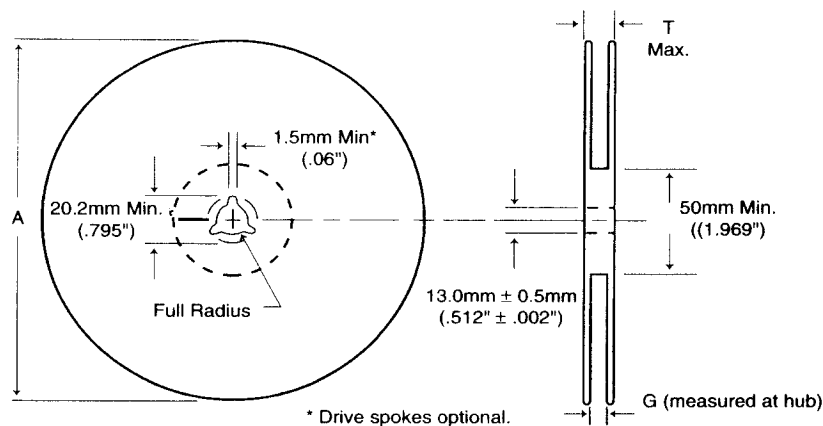
**SMCJ (16mm)**



Direction of Unreeling



### Reel Specifications



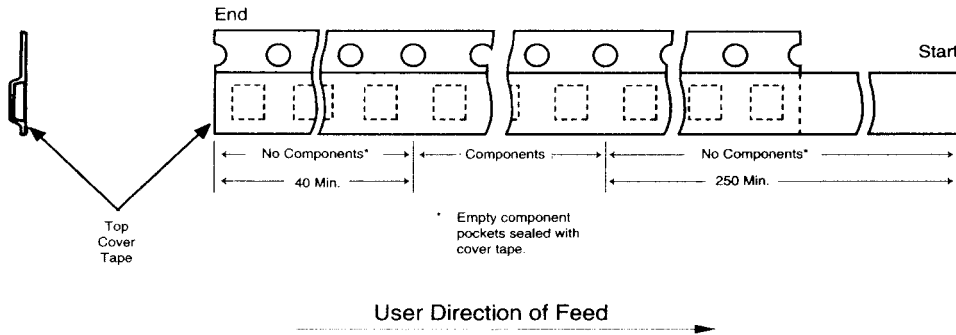
### Reel Dimensions (dimensions in mm)

Tape Size	A Max.	G	T Max.
12 mm	330	12.4+2.0, -0.0	18.4
16 mm	360	16.4+2.0, -0.0	22.4

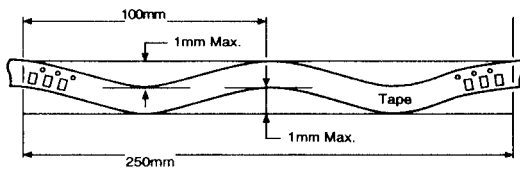
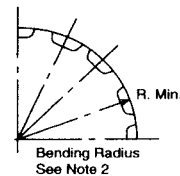
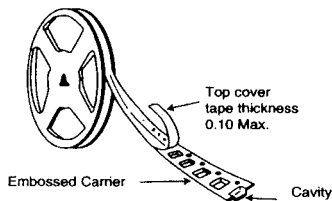
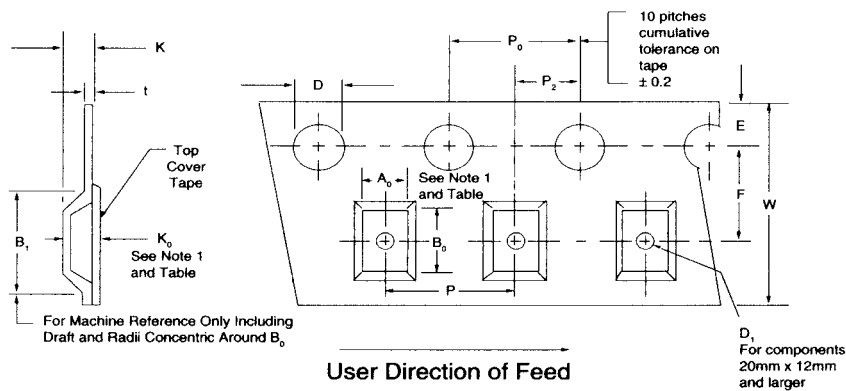
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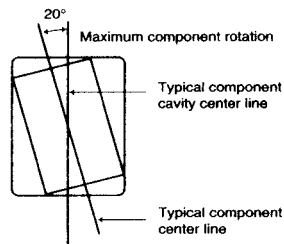
## Start and Finish Specifications



## Embossed Carrier Tape Specifications



Camber (Top View)  
 Allowable camber to be 1mm/100mm non-accumulative over 250mm



## Embossed Tape Dimensions (dimensions in mm)

Tape Size	B <sub>1</sub> (Max.)	D	D <sub>1</sub> (Min.)	E	F	K (Max.)	P	P <sub>0</sub>	P <sub>2</sub>	R (Min.)	t (Max.)	w
12mm	8.2				5.5 ± 0.05	4.5	4.0 ± 0.1 8.0 ± 0.1			30		12 ± .30
16mm	12.1	1.5 ± 0.1	1.5	1.750 ± 10	7.5 ± 0.10	6.5	4.0 ± 0.1 8.0 ± 0.1 12 ± 0.1	4.0 ± 0.1	2.0 ± 0.1	40	0.4	16 ± .30

Note1: A<sub>0</sub> B<sub>0</sub> and K<sub>0</sub> are determined by components size. The clearance between the components and the cavity are per chart above. The cannot rotate more than 20° within the determined cavity.

Note2: Tape and components shall pass around radius "R", without damage.