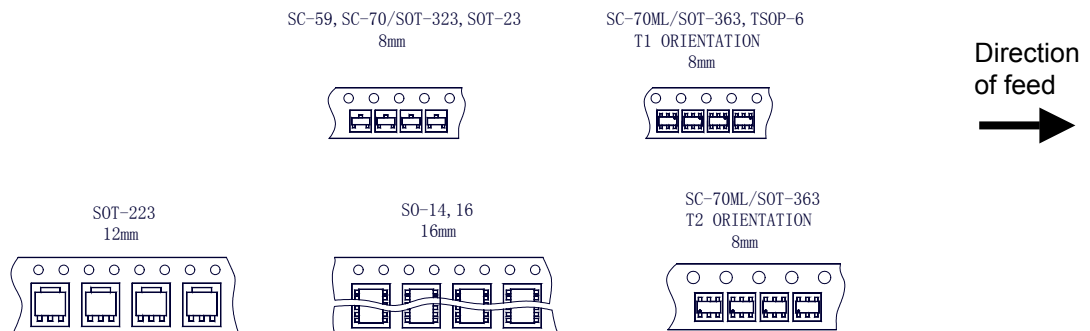


# TAPE AND REEL SPECIFICATIONS AND PACKAGING SPECIFICATIONS

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.

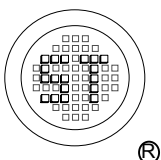
- .Two Reel Sizes Available (7" and 13")
- .Used for Automatic Pick and Place Feed Systems
- .Minimizes Product Handling
- .EIA 481, -1, -2
- .SC-59, SC-70 / SOT-323, SC-70ML / SOT-363,
- .SOT-23, TSOP-6, in 8 mm Tape
- .SOT-223 in 12 mm Tape
- .SO-14, SO-16 in 16 mm Tape

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.

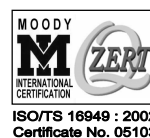


## EMBOSSED TAPE AND REEL ORDERING INFORMATION

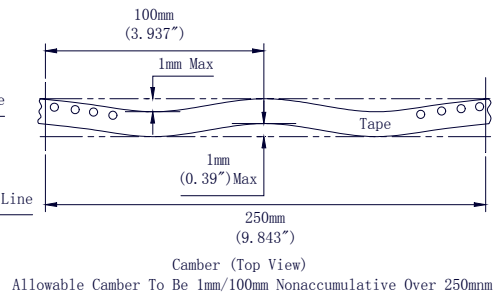
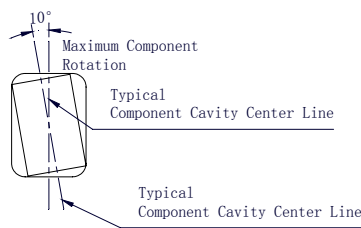
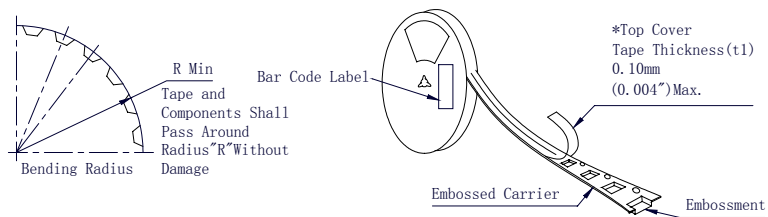
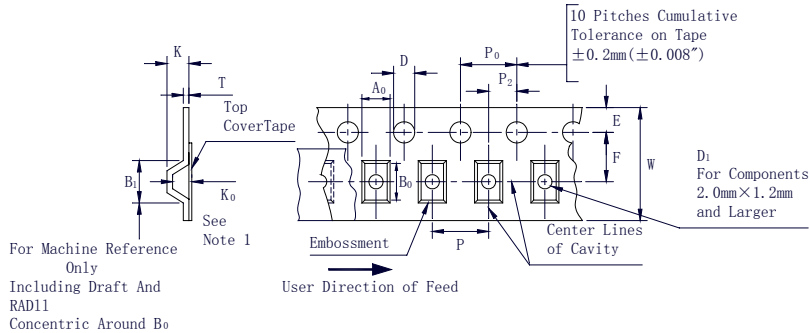
Package	Tape Width (mm)	Pitch		Reel Size		Devices Per Reel and Minimum Order Quantity
		mm	(inch)	mm	(inch)	
SC-59	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000
SC-70	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000
SOT-323	8	4.0 ±0.1	( 0.157 ± 0.004 )	330	(13)	10,000
SO-14	16	8.0 ±0.1	( 0.315 ± 0.004 )	178	(7)	500
	16			330	(13)	2,500
SO-16	16	8.0 ±0.1	( 0.315 ± 0.004 )	178	(7)	500
	16			330	(13)	2,500
SOT-23	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000
	8			330	(13)	10,000
SOT-223	12	8.0 ±0.1	( 0.315 ± 0.004 )	178	(7)	1,000
	12			330	(13)	4,000
SC-70ML	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000
SOT-363	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000
TSOP-6	8	4.0 ±0.1	( 0.157 ± 0.004 )	178	(7)	3,000



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# EMBOSSED TAPE AND REEL DATA FOR DISCRETES CARRIER TAPE SPECIFICATIONS



## DIMENSIONS

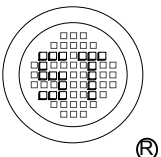
Tape Size	B <sub>1</sub> Max	D	D <sub>1</sub>	E	F	K	P <sub>0</sub>	P <sub>2</sub>	RMin	TMax	WMax
8mm	4.55mm (0.179")	1.5±0.1mm -0.0	1.0Min (0.039")	1.75±0.1mm (0.069±0.004)	3.5 ± 0.05mm (0.138 ± 0.002")	2.4mm Max (0.094")	4.0 ± 0.1mm (0.157 ± 0.004")	2.0 ± 0.1mm (0.079 ± 0.002")	25mm (0.98")	0.6mm (0.024")	8.3mm (0.327")
12mm	8.2mm (0.323")	(0.059 + 0.004"-0.0)	1.5mm Min (0.060")		5.5 ± 0.05mm (0.217 ± 0.002")	6.4mm Max (0.252")			30mm (1.18")		12 ± 0.30mm (0.47±0.012")
16mm	12.1mm (0.476")				7.5 ± 0.10mm (0.295 ± 0.004")	7.9mm Max (0.311")					16.3mm (0.642")
24mm	20.1mm (0.791")				11.5 ± 0.10mm (0.453 ± 0.004")	11.9mm Max (0.468")					24.3mm (0.957")

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

NOTE 1: A<sub>0</sub>, B<sub>0</sub>, and K<sub>0</sub> are determined by component size. The clearance between the components and the cavity must be within 0.05mm min. to 0.50mm max.

NOTE 1: the component cannot rotate more than 10° within the determined cavity.

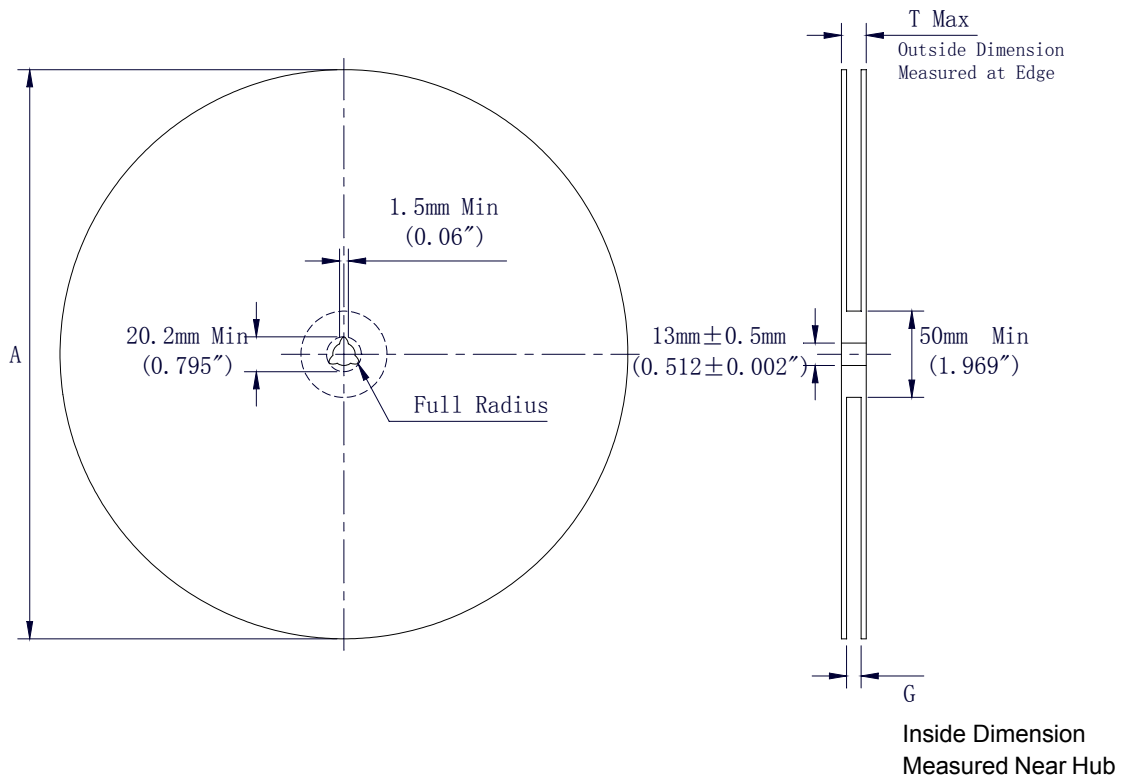
NOTE 2: If B<sub>1</sub> exceeds 4.2mm(0.165") for 8mm embossed tape, the tape may not feed through all tape feeders.



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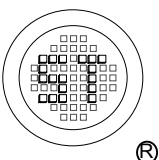
# EMBOSSED TAPE AND REEL DATA FOR DISCRETES



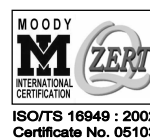
Size	A Max	G	T Max
8mm	330mm ( 12.992" )	8.4mm + 1.5mm, -0.0 ( 0.33" + 0.059", -0.00)	14.4mm ( 0.56" )
12mm	330mm ( 12.992" )	12.4mm + 2.0mm, -0.0 ( 0.49" + 0.079", -0.00)	18.4mm ( 0.72" )
16mm	360mm ( 14.173" )	16.4mm + 2.0mm, -0.0 ( 0.646" + 0.078", -0.00)	22.4mm ( 0.882" )
24mm	360mm ( 14.173" )	24.4mm + 2.0mm, -0.0 ( 0.961" + 0.070", -0.00)	30.4mm ( 1.197" )

## Reel Dimensions

Metric Dimensions Govern - English are in parentheses for reference only



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Dated : 27/10/2005