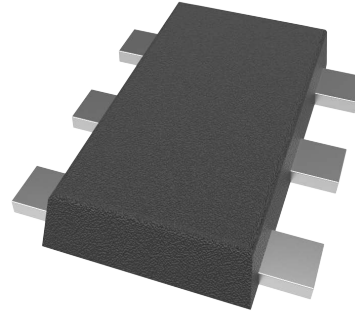


**Mechanical Data**

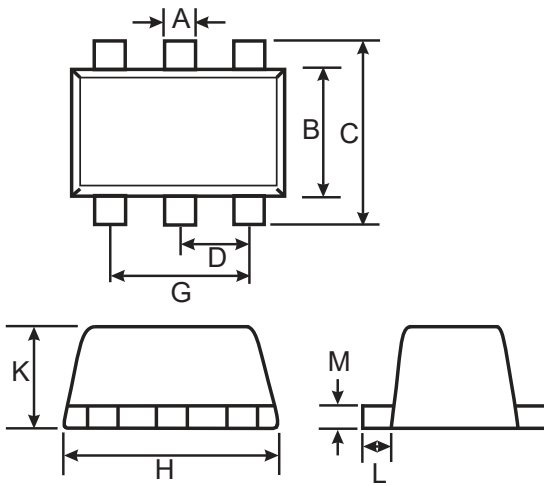
- Surface Mount Package
- Weight: 0.003 grams (Approximate)
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note2) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Note:1. free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.  
2. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.

**Package 3D Photo**



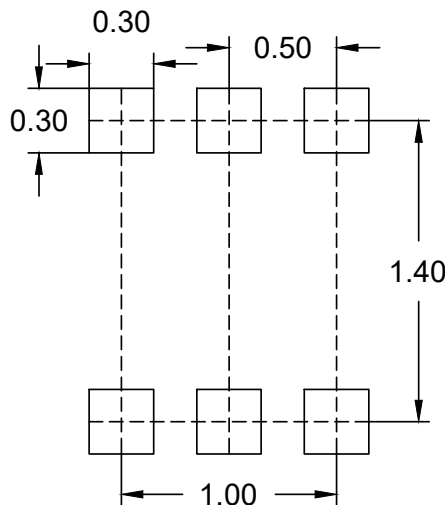
**Package Outline Dimensions**



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.006	0.011	0.15	0.30	
B	0.043	0.051	1.10	1.30	
C	0.059	0.067	1.50	1.70	
D	0.020		0.50		TYP.
G	0.035	0.043	0.90	1.10	
H	0.059	0.067	1.50	1.70	
K	0.020	0.023	0.52	0.60	
L	0.004	0.011	0.10	0.30	
M	0.004	0.007	0.10	0.18	

**Suggested Solder Pad Layout**

Unit:mm



Notes:

- 1.The suggested land pattern dimensions have been provided for reference only.
- 2.For further information,please reference document IPC-7351A.

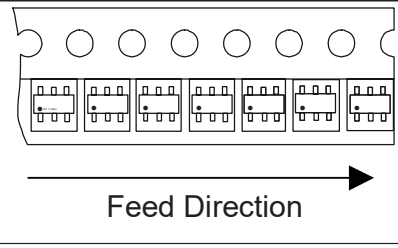
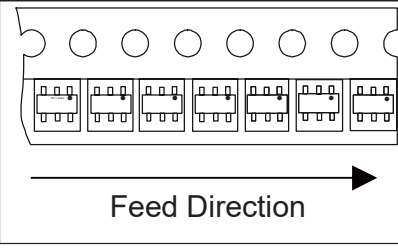
### Packing Quantity

Package	Tape Width (mm)	Reel Size (inch)	Reel Quantity	BOX Quantity	Carton Quantity	Suffix
SOT-563	8	7	3000	30K	120K	Part Number-TP
			8000	80K	320K	Part Number-T8P

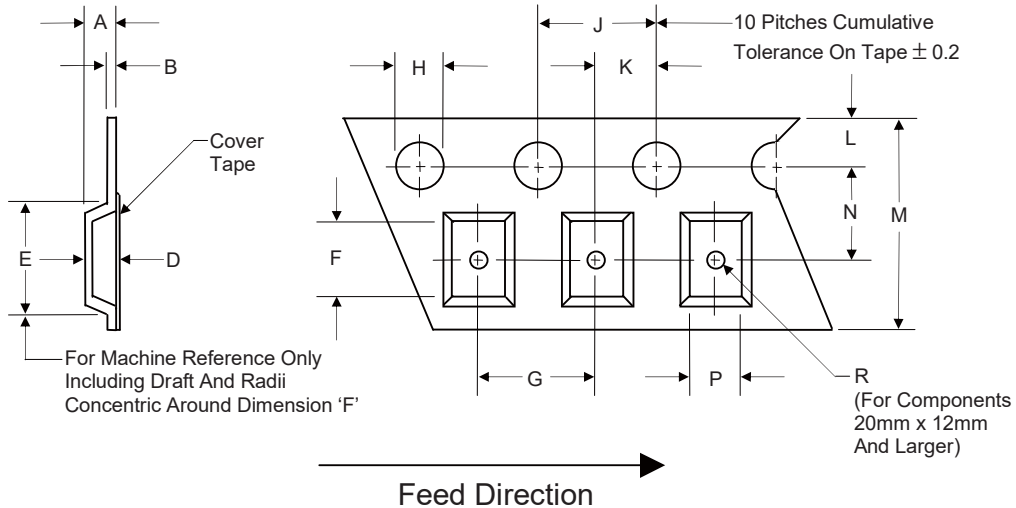
Note 1: These are minimum package quantities only. Minimum orders will differ. Contact the factory for more information on minimum order quantities.

Note 2: MCC Tape&reel products meets EIA-481 REV D specification.

### Device Tape Orientation

Package	Tape Width (mm)	Tape Orientation	
		Standard	TPQ2/T8PQ2
SOT-563	8		
		● Pin 1 Index	

### Embossed Carrier Tape Specifications



Tape Width	H	L	J	B	D	F	P
8mm	1.5	1.75	4.0	0.6	See Note 3		
(Tolerance)	+0.1/-0	±0.1	±0.1	Max			

Tape Width	E	R	N	A	K	M	G
8mm	4.2	1.0	3.5	2.4	2.0	8.0	4.0/2.0
(Tolerance)	Max	Min	±0.05	Max	±0.05	±0.3	±0.1

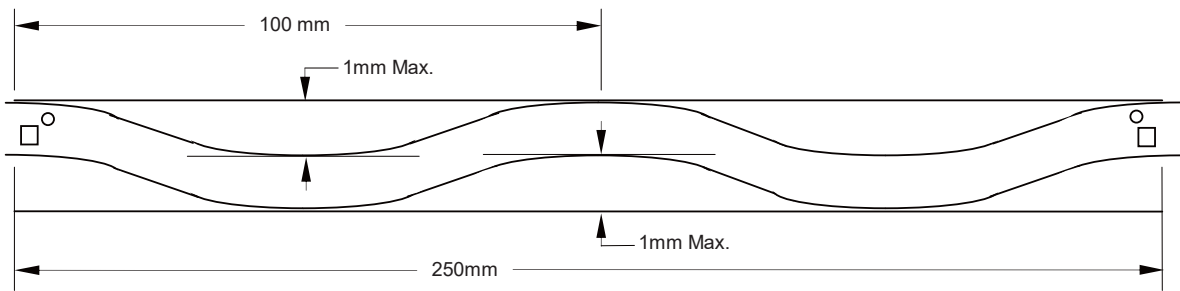
Note 3: D,E,F are determined by constant size. The clearance between the part and the tape cavity must be within 0.05mm min. to 0.50mm max. for 8mm tape.

Note 4: "G" size 4mm for TP, "G" size 2mm for T8P.

## Embossed Carrier Tape Specifications

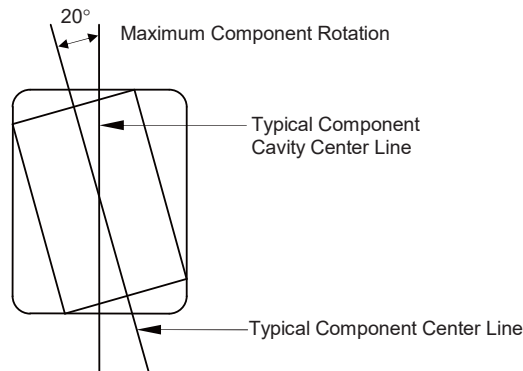


Tape Size	R Min.
8mm	25mm

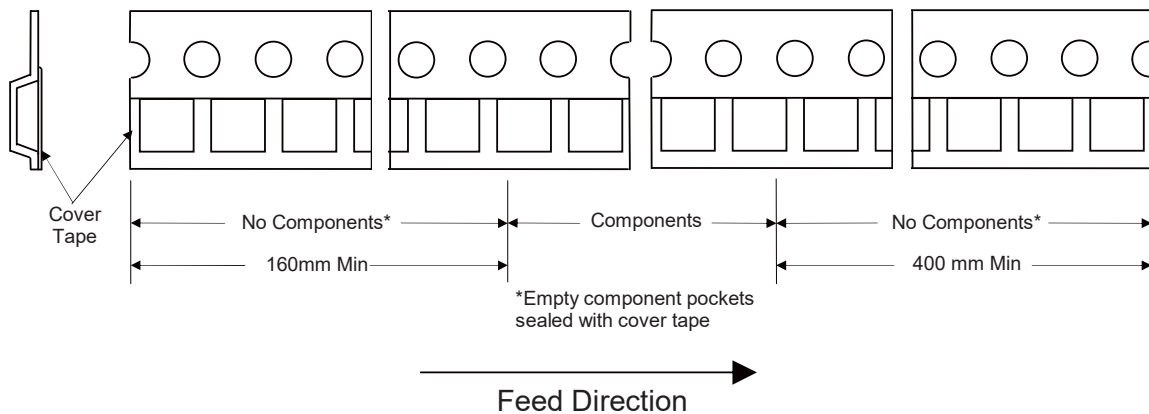


Camber (Top View)

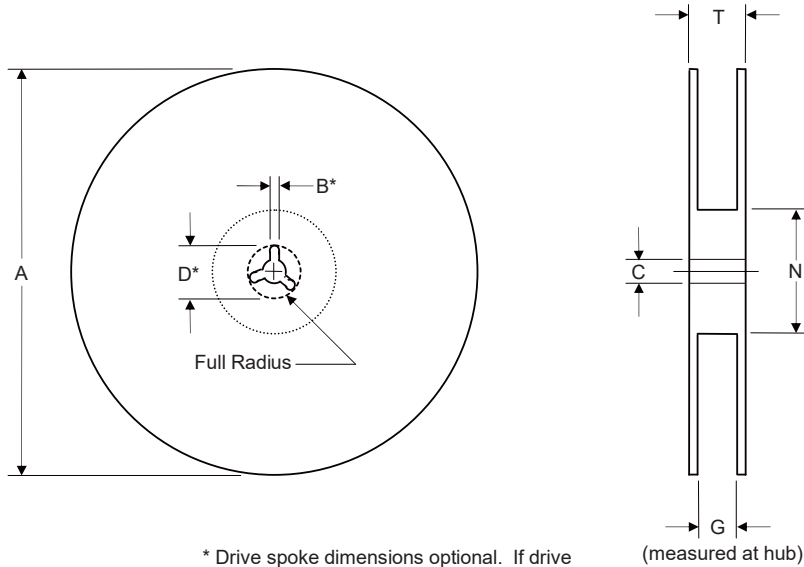
Allowable camber to be 1mm/100mm non-accumulative over 250mm



## Start and Finish Specification



**Surface Mount Reel Specifications**

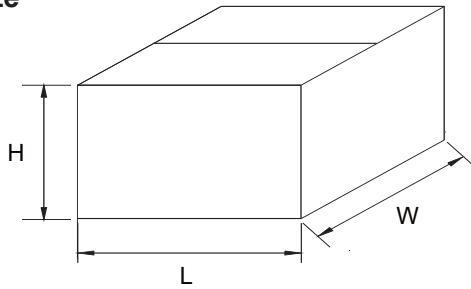


\* Drive spoke dimensions optional. If drive spoke is used then asterisked dimensions apply.

Tape Width	A	B	C	D	N	G	T
8mm	180	1.5	13.0	20.2	55	8.4	14.4
(Tolerance)	Max	Min	±0.2	Min	±5.0	+1.5	Max

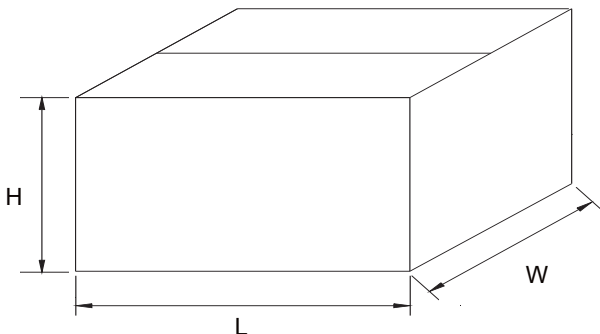
**Dimensions**

**Inbox Size**



Dimension	Specification(mm typical)	
	General	MBB Bag
L	187	227
W	130	145
H	187	202

**Carton Size**



Dimension	Specification(mm typical)	
	General	MBB Bag
L	390	470
W	275	305
H	207	223