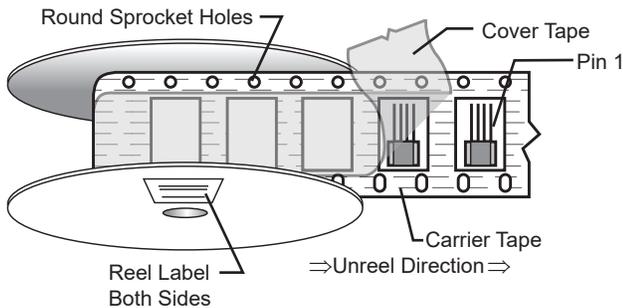
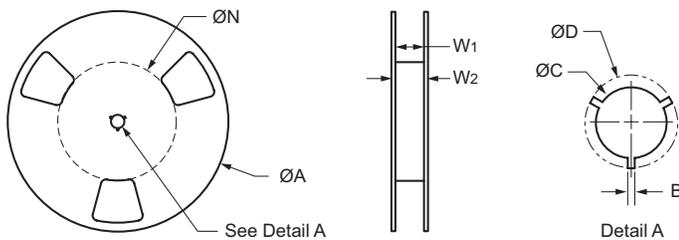


## KN-4 Package, TN Suffix



- Embossed tape and reel
- 4000 pieces per 13 in. reel
- 25 min. trailer pockets
- 55 min. leader pockets
- Branded face outward
- Device body on left side
- Elongated sprocket holes on left side
- Pin 1 on leading device edge

Leader pockets are the first off the reel when the tape is unreeled for dispensing devices. Trailer pockets are the last pockets off the reel when unreeled for dispensing devices.

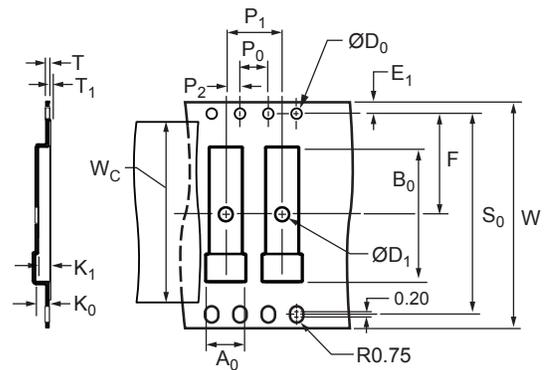


Access hole and hub configuration may vary at supplier discretion within limits shown

### Dimensions in mm

Type	A	B	C	D	N
Plastic 13 in.	330 (Nom)	1.5 (Min)	13 <sup>+0.5</sup> <sub>-0.2</sub>	20.2 (Min)	102 (Nom)
<b>W<sub>1</sub> (inside, at Hub)</b>			32.4 (Min)		
<b>W<sub>2</sub> (outside, at Hub)</b>			38.4 (Max)		

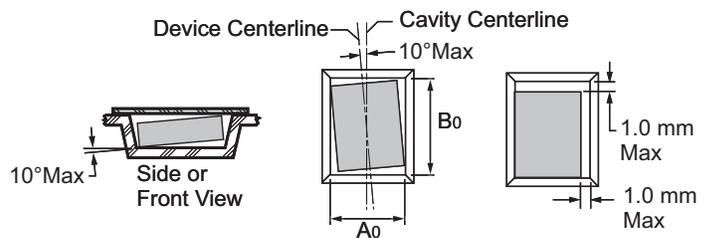
Reference EIA 481



### Dimensions in mm, may vary with supplier

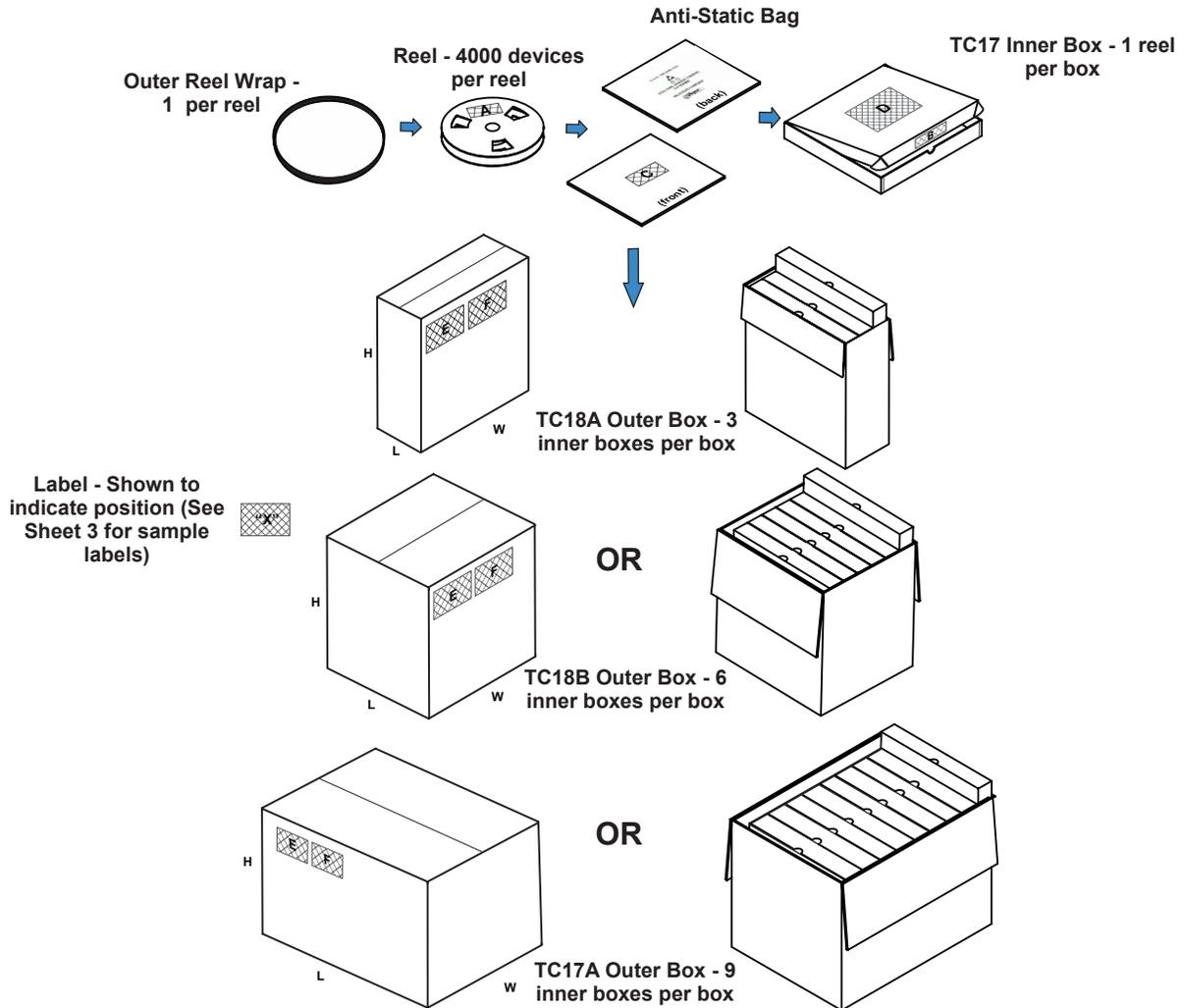
Carrier Tape			Cover Tape
W: 32.00	D <sub>0</sub> : 1.50	A <sub>0</sub> : 5.80	W <sub>C</sub> : 25.5 T <sub>1</sub> : 0.0022 in.
E <sub>1</sub> : 1.75	P <sub>0</sub> : 4.00	B <sub>0</sub> : 19.20	
F: 14.20	P <sub>1</sub> : 8.00	K <sub>0</sub> : 1.90	
T: 0.30	P <sub>2</sub> : 2.00	K <sub>1</sub> : 1.50	
	S <sub>0</sub> : 28.40	D <sub>1</sub> : 2.00	

1. Pocket centerlines to cavity center, not to pocket detection hole.
2. A<sub>0</sub> and B<sub>0</sub> measured 0.3 mm above bottom of pocket.
3. Reference EIA 481.



Reference EIA 481

## KN-4 Package, TN Suffix



**Carton Dimensions (mm)**

Type	Length	Width	Height	Inner Carton Standard Quantity	Outer Carton Standard Quantity
TC17	351	364	56	4000	
TC18A	188	380	365		12000
TC18B	380	368	365		24000
TC17A	536	403	400		36000

\* Carton Details pertain only to Full Standard Increments. Partial orders will only be provided for samples or due to exceptional circumstances. Partial orders may not be packed according to Carton Details but may require protective filler, empty inner boxes or other packing modifications.

## KN-4 Package, TN Suffix

### Reel Production Label [A]

1.125in x 4in

	Part No: XXXXXXXXXXXXXXXXXXXXXXXX	Date: 20150106	
	Catalog: AXXXXXXXXXXXXXXXXXXXXX-MS-Level:N		
	Qty: XXXX		
	Lot 1: 1234567ABCD	Qty 1: XXXX	
	Lot 2: N/A	Qty 2: 0	

 Reel 

### Box Flap Label [B]

1.125in x 4in

	Part No: XXXXXXXXXXXXXXXXXXXXXXXX	Date: 20150106	
	Catalog: AXXXXXXXXXXXXXXXXXXXXX-MS-Level:N		
	Qty: XXXX		
	Lot 1: 1234567ABCD	Qty 1: XXXX	
	Lot 2: N/A	Qty 2: 0	

### 1D Production Label [C]

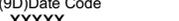
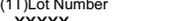
2.5in x 3.75in

Allegro MicroSystems, LLC		
<b>Cust PN:</b> XXXXXXXXXXXX		
<b>Mfr PN:</b> XXXXXXXXXXXX		
<b>Alg In:</b> XXXXXXXXXXXX		
<b>Lot 1:</b> 9999999XXXX	<b>Qty 1:</b> 1000	
		
<b>Lot 2:</b> N/A	<b>Qty 2:</b> 0	
		
<b>D/C:</b> 0101	<b>Total Qty:</b> 1000	
		

Bag 

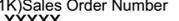
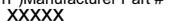
### Inner Carton Label [D]

4in x 6.5in

Allegro MicroSystems LLC		
(1K)Sales Order Number XXXXX 	(P)Customer Part Number XXXXX 	(Q)Quantity XXXXX 
(9D)Date Code XXXXX 	(1T)Lot Number XXXXX 	(1P)Manufacturer Part # XXXXX 
(16K)Delivery XXXXX 	(K)Purchase Order Number XXXXX 	
		
		
Manufacturer ALLEGRO MICROSYSTEMS LLC		
Made in XXXXXX		

### Outer Carton Label [E]

4in x 6.5in

Allegro MicroSystems LLC		
(1K)Sales Order Number XXXXX 	(P)Customer Part Number XXXXXXXXXXXX 	
(16K)Delivery XXXXX 	(Q)Quantity XXXXX 	
(1P)Manufacturer Part # XXXXX 	(K)Purchase Order Number XXXXX 	
		
		
Manufacturer ALLEGRO MICROSYSTEMS LLC		
Made in XXXXXX		

### Outer Carton Address Label [F]

4in x 6.5in

ALLEGRO MICROSYSTEMS, LLC 115 NORTHEAST CUTOFF WORCESTER, MA 01606	
ALLEGRO MICROSYSTEMS, LLC 115 NORTHEAST CUTOFF WORCESTER, MA 01606	
Package 1/1	

\* Label examples are shown for content purposes only. Labels are not shown to scale. Given label dimensions are approximate. As required, the necessary compliance symbols on the labels will meet the ship to country regulations.



## KN-4 Package, TN Suffix

### Revision History

Revision No.	Date	ECN Number	Description
0	10/25/2017	OI	ORIGINAL ISSUE

This document provides reference information that can be used to identify leadform and packing options offered by Allegro MicroSystems, LLC. This information is for reference only, and not for tooling use. This information is subject to change without notice. Packing and labelling for shipment may vary with device type, quantities, and other conditions; specifications may vary with contract terms and availability.

Packing options vary according to the individual device being offered. Refer to the device datasheet (visit our website at: [www.allegromicro.com](http://www.allegromicro.com)) for a listing of packing options for that device. Not all options are available for any particular package designation or device type, and provision of certain configurations may be subject to minimum volume or NCNR (nuncancellation, nonreturn) limitations. Contact your local Allegro field service representative for additional information.

For more information on the physical appearance of device packages and leadforms, refer to the device datasheet or the application note [Allegro Package Designations](#) on the Allegro website.

When applicable, references are provided to industry standards, such as for tape and reel specifications standard package outline designations. These references are provided for informational purposes only, and do not necessarily indicate full conformity with that standard in all respects.

No dimensional tolerances are guaranteed or implied for bulk packing.

Copyright ©2007-2017, Allegro MicroSystems, LLC

Allegro MicroSystems, LLC reserves the right to make, from time to time, such departures from the detail specifications as may be required to permit improvements in the performance, reliability, or manufacturability of its products. Before placing an order, the user is cautioned to verify that the information being relied upon is current.

Allegro's products are not to be used in life support devices or systems, if a failure of an Allegro product can reasonably be expected to cause the failure of that life support device or system, or to affect the safety or effectiveness of that device or system.

The information included herein is believed to be accurate and reliable. However, Allegro MicroSystems, LLC assumes no responsibility for its use; nor for any infringement of patents or other rights of third parties which may result from its use.

Allegro MicroSystems, LLC  
115 Northeast Cutoff  
Worcester, Massachusetts 01615-0036  
U.S.A.  
1.508.853.5000; [www.allegromicro.com](http://www.allegromicro.com)