



TITLE Reel Packaging of Components Page 1 of 5

<u>ECN NO.</u>	<u>DATE</u>	<u>REV.</u>	<u>GROUP</u>	<u>ORIGINATOR</u>	<u>PAGES AFFECTED</u>
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All released revision level changes to this document will also require the originator to update the revision level of 87M42999T85, "Index of Manufacturer's Requirements and Reference Specifications"

I. SCOPE.

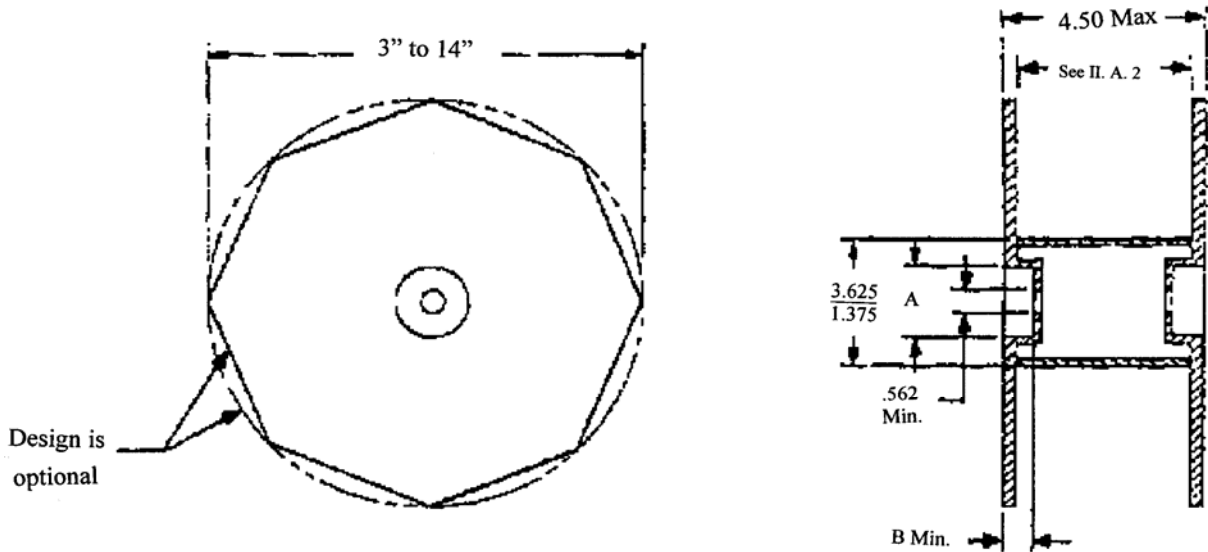
This standard covers the requirements for tape reel packaging of components with axial leads.

II. REQUIREMENTS.

Packaging shall conform to FIGURE 1.

FIGURE 1

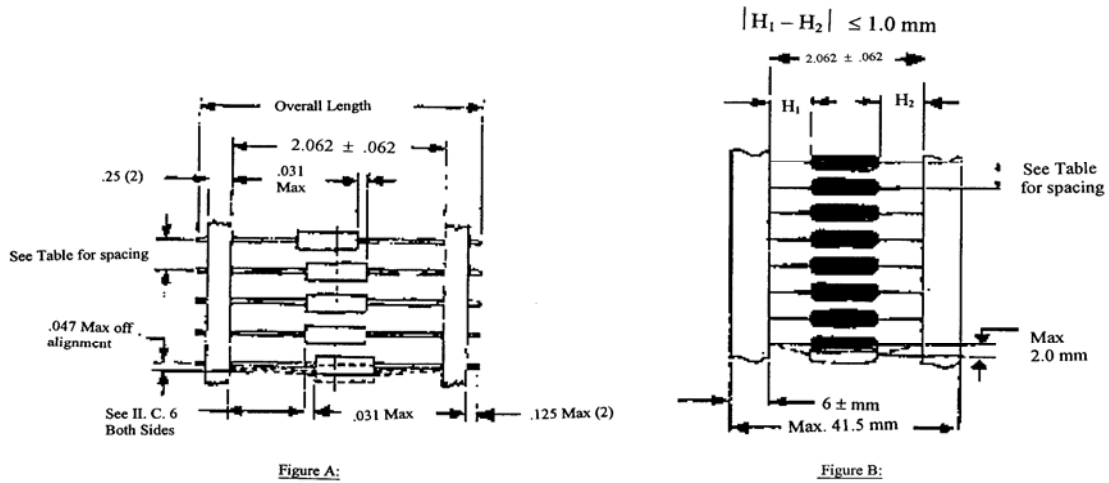
All Dimensions are in inches unless stated otherwise.



	A	B
Either	3.000 to 3.125	.500
or	1.125 to 1.250	.312
or	Flat Face Plates	

Figure 1 (Continued)

All Dimensions are in inches unless stated otherwise.



COMPONENT BODY DIA	COMPONENT SPACING	FIGURE
.015 to .200	.200 ± .020	A
.020 to .200	.200 ± .015	A
.040 to .150	.200 ± .015	A
.040 to .150	.400 ± .015	A
.151 to .375	.400 ± .015	A
.151 to .375	.375 ± .015	A
.201 to .400	.400 ± .015	A
.201 to .400	.400 ± .200	A
ALL	5.0 ± .33 mm	B

A. Component Leads

1. Component leads shall not be bent beyond .047" from their normal position.

The distance between flanges shall be .125" to .250" greater than the overall length of the component.

B. Orientation: All polarized components shall be oriented in one direction. The cathode lead shall be a color and the anode lead tape shall be white.

C. Reeling.

1. Components on any reel shall not represent more than 2 date codes when date code identification is required.

2. Component Leads shall be positioned perpendicularly between pairs of .25" wide tape. Use 3M Co. No. 267 or equivalent.
3. Reels shall be disposable metal, chipboard, plastic or equivalent.
4. A 12" minimum leader shall be provided before the first and after the last component on the reel.
5. 50 or 60 Lb Kraft paper shall be wound between layers of components as far as necessary for component protection. Width of the paper shall be .062" to .750" less than dimension "C" of the reel.
6. Row of components shall be centered between tapes $\pm .047$ ". In addition, individual components shall not deviate from the center of the component row more than $\pm .031$ ".

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7. Splices shall be made with Universal Instruments Inc. clips No. 12128 or tape splice.
8. Quantity per reel shall be controlled so that taped components and cover shall not extend beyond the smallest dimension of the flange (either across flats or diameter). Once the quantity per reel for each part number has been established, future orders for that part shall be packaged in that quantity.
9. A maximum of 10 components may be missing from any 10 foot section. A maximum of 2 consecutive components may be missing provided this gap is followed by 6 consecutive components.

- D. Packaging: Adequate protection shall be provided to prevent physical damage to both reel and components during shipment and storage. Reels shall be packed in accordance with good commercial practice. Reels shall be readily removable for inspection and replacement for storage. Packing materials shall not contain substances that will be detrimental to the performance or solderability of the parts during prolonged storage.
- E. Marking: Minimum reel marking shall consist of the following information:
1. Continental Part Number
 2. Continental Purchase Order Number
 3. Quantity
 4. Manufacturer's Name
 5. Date Codes

- F. Exceptions: Requirements differing from this Standard shall be negotiated with Continental Engineering. Only their written authorization for deviations shall be valid.