



NATIONAL AEROSPACE STANDARD

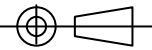
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FORM 09-01	THIRD ANGLE PROJECTION 	CUSTODIAN ENGINEERING MANAGEMENT COMMITTEE	REVISION 3
	PROCUREMENT SPECIFICATION NONE	TITLE AXIAL/RADIAL LEAD COMPONENTS, INDIVIDUAL PACKAGING OF	CLASSIFICATION PACKAGING STANDARD NAS3429 SHEET 1 OF 3

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ISSUE DATE: MARCH 1966 REVISION DATE: OCTOBER 31, 2012



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NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N. W., WASHINGTON, D. C. 20036

1.0 **SCOPE** This standard provides a method for the packaging of axial/radial components, (diodes, transistors, resistors, capacitors, etc.) in blister packages, tubes, vials, and trays, etc.

2.0 REFERENCES

- 2.1 General Packaging Standard NAS 850.
- 2.2 Field Force, Protection for Standard NAS 853.

3.0 REQUIREMENTS

3.1 GENERAL

- 3.1.1 Requirements of General Packaging Standard NAS 850 are part of this standard except as noted herein.
 - 3.1.2 Requirements of Field Force, Protection for Standard NAS 853 are part of this standard as noted herein. Items which may be damaged by Field Forces (electrostatic electromagnetic effects) in a non-operating environment, shall be provided with an appropriate protection by the individual package or thru a lead shorting device applied to the item.
 - 3.1.3 Except for preformed leads, all lead wires shall extend outward, be maintained in a straight configuration within the item's projected outside diameter. No bends whatsoever shall be permitted within a distance equal to three times the diameter of any lead from the point of lead entry into the device.
 - 3.1.4 Terminals or other projections shall be protected by means of the design of the container. Leads may be used for positioning, but must not be subjected to loads or stresses that can damage them or their entry seals.
 - 3.1.5 Usage of inserts or devices within the unit package to maintain item position and required lead configuration is optional unless required. Material shall be sturdy enough to protect critical portions and not collapse or move out of position. This protection shall consist of chemically neutral-limit-free type material removable and replaceable as required.
- CAUTION:** AVOID EXCESSIVE LOADS, COMPRESSION OR BENDING ON LEADS WHEN UTILIZING DEVICES, CUSHIONING, ETC.
- 3.1.6 Tape or other sealing material when used shall not contact either the item or its leads.
 - 3.1.7 All items shall be uniformly oriented within the unit packages so that distinctive markings are aligned.
 - 3.1.8 Unit package design shall incorporate provisions that permit safe and easy removal and replacement of the item without bending of leads, damage of the unit package or contents. Design shall allow replacement without addition of any adhesives, tapes, devices, etc., or use of equipment.
 - 3.1.9 Multiple package design shall be limited to 15 inches in length and shall incorporate either a "breakaway" or "cutaway" capability for each unit permitting individual dispensing.
 - 3.1.10 Design may include provisions for testing without removal of the item.

3.2 UNIT PACKING

- 3.2.1 The quantity per unit package shall be as follows, unless otherwise specified by the procurement document:

One (1) item

Each blister or compartment shall be considered as a unit package.

Items shall be packaged in one of type unit packages described herein:

EXCEPTIONS: For items exceeding the following dimensions: body diameter — 1/2 inch, body length — 2 inches, overall item length — 8 inches, the unit package material requirements are waived. However, materials used shall not cause commodity deterioration.

LIST OF CURRENT SHEETS

NO.	REV.
1	2
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② COMPLETELY REVISED

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CUSTODIAN: MANUFACTURING COMMITTEE

PROCUREMENT
SPECIFICATION

NONE

TITLE

**AXIAL/RADIAL LEAD COMPONENTS,
INDIVIDUAL PACKAGING OF**

CLASSIFICATION
PACKAGING STANDARD

NAS Documents
3429

Sheet 1 of 2

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