

INCH-POUND

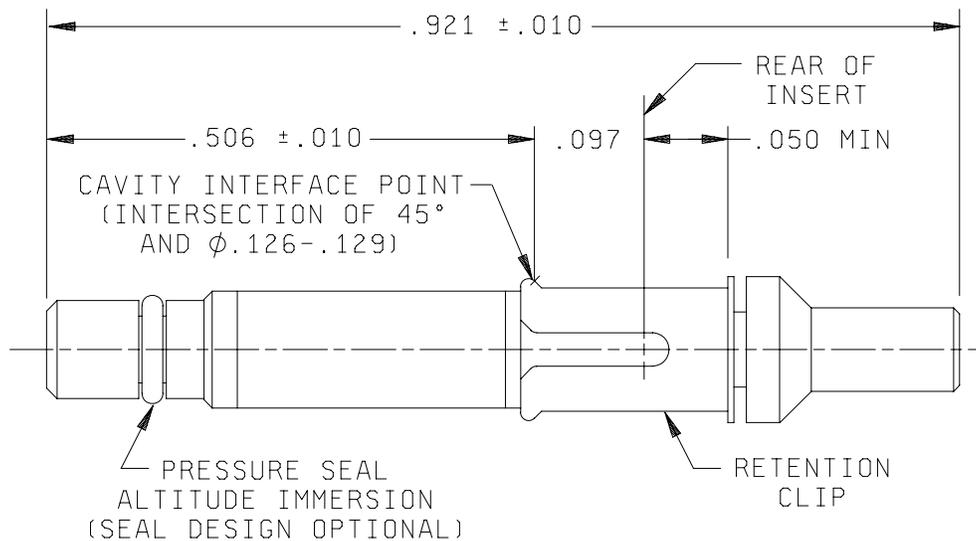
MIL-PRF-29504/19
25 November 2008

PERFORMANCE SPECIFICATION SHEET

TERMINI, FIBER OPTIC, CONNECTOR, REMOVABLE,
ENVIRONMENT RESISTING, DUMMY TERMINUS,
(FOR MIL-PRF-64266 CONNECTORS)

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification and MIL-PRF-29504.



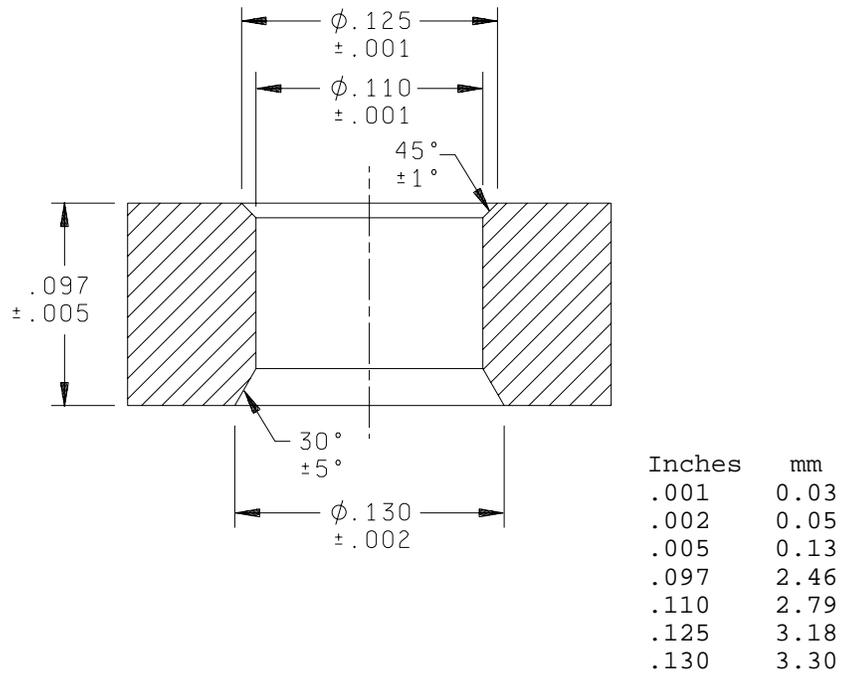
Inches	mm
.010	0.25
.050	1.27
.097	2.46
.126	3.20
.129	3.28
.506	12.85
.921	23.39

FIGURE 1. Dummy terminus

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. All diameters to be concentric within .002 inch (0.05 mm).
4. Dimensions apply to plated/finished part.
5. Dummy termini to be used to fill unused cavities.
6. Marking shall be at the front of the dummy terminus.
7. Dimensions to be measured with terminus installed in connector insert or equivalent gauge fixture.
8. The dimension shown is effective prior to the application of the TICC marking.

FIGURE 1. Dummy terminus - Continued.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. All diameters to be concentric within .002 inch (0.05 mm).
4. Dimensions apply after to plated/finished part.
5. Tolerance on all angles is $\pm 1^\circ$, unless otherwise noted.

FIGURE 2. Insert equivalent fixture for terminus measurement.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figures 1 and 2.

Weight: 1.0 gram maximum.

Adhesives: Not applicable.

Tools: See table I.

Insertion loss: Not applicable.

Optical discontinuity: Not applicable.

Circular runout: Not applicable.

Return loss: Not applicable.

Change in optical transmittance: Not applicable.

Terminus engagement and separation force: Not applicable.

Fiber pullout: Not applicable.

Cable pull out: Not applicable.

Environmental/mechanical: Termini shall be tested to the following MIL-PRF-64266 environmental and mechanical requirements. Change in optical transmittance and optical discontinuity requirements are not applicable.

- Impact
- Vibration
- Shock
- Thermal shock
- Temperature/humidity cycling
- Temperature life
- Flammability
- Altitude immersion
- Ozone exposure

Qualification connector: The qualification connector for this terminus shall be a qualified MIL-PRF-64266 connector.

Part or identifying number (PIN):

M29504/19

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Basic specification
and specification
sheet

-500

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TICC Code

Usage: Termini compliant with this specification sheet may be used in connectors other than MIL-PRF-64266 at the discretion of the acquiring activity.

Qualification by similarity: Manufacturers who are qualified under MIL-PRF-29504/18, and whose dummy terminus passes size, weight, identification marking, workmanship, and altitude immersion specified herein, are qualified under this specification sheet. This qualification by similarity is valid only if the dummy terminus is of a similar design and is constructed using the same materials as the qualified MIL-PRF-29504/18 terminus.

TABLE I. Tools

Tool	PIN
Insertion tool	See appendix A of NAVSEA Drawing 8283460
Removal tool	See appendix A of NAVSEA Drawing 8283460

Referenced documents. In addition to MIL-PRF-29504, this specification sheet references the following documents:

MIL-PRF-29504/18
MIL-PRF-64266
NAVSEA Drawing 8283460

Custodians:

Army - CR
Navy - SH
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 6060-2008-004)

Review activities:

Navy - AS
Air Force - 13, 19, 93, 99
NASA - NA

NOTE: The activities listed above were interested in this document on the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.