

MILITARY SPECIFICATION

**ADAPTER, CONNECTOR, COAXIAL,
RADIOFREQUENCY, BETWEEN SERIES,
TYPE UG-690/U**

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force

1. SCOPE

1.1 This specification covers the detail requirements for type UG-690/U, between series (series BNC to series SM), radiofrequency, coaxial connector adapter

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein

SPECIFICATION

MILITARY

MIL-A-27434 — Adapters, Connector, Coaxial, Radiofrequency, Between Series, General Specification for.

DRAWINGS

SIGNAL CORPS

SC-C-72177 — Body
SC-B-72178 — Contact
SC-B-72179 — Insulator
SC-B-72180 — Insulator
SC-B-72212 — Sleeve
SC-B-72295 — Ring

(Copies of specifications and drawings required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer)

3. REQUIREMENTS

3.1 **Requirements.** Requirements shall be in accordance with Specification MIL-A-27434, and as specified herein

3.2 **Design and construction.** The connector adapter shall be of the design, construction, and physical dimensions specified on figure 1.

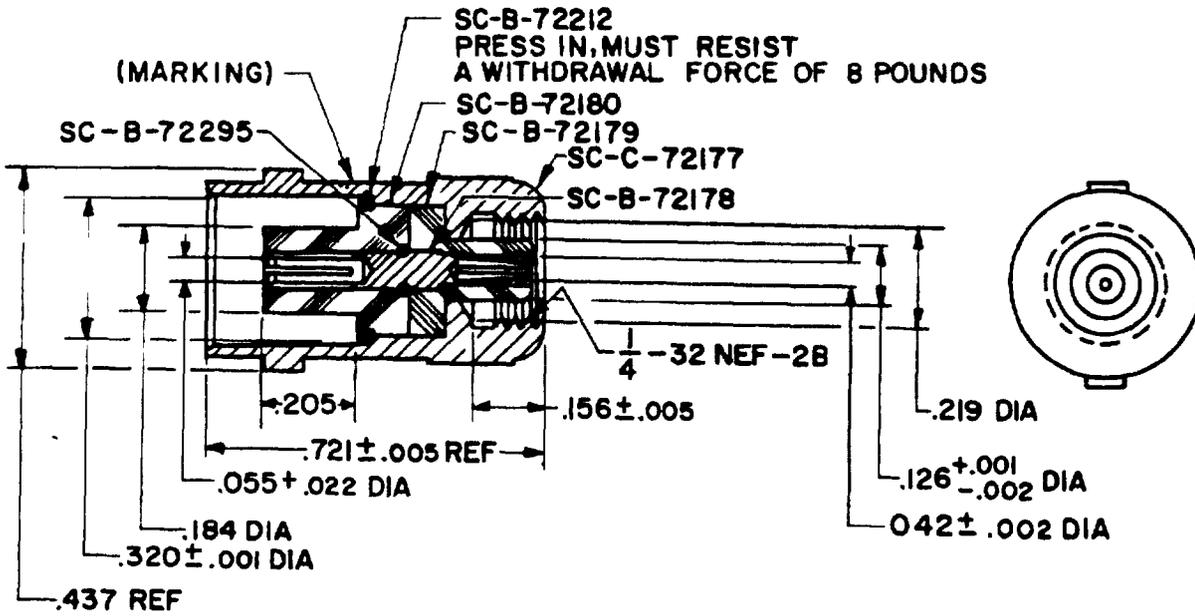
4. QUALITY ASSURANCE PROVISIONS

4.1 **Sampling and inspection.** Sampling and inspection shall be in accordance with Specification MIL-A-27434, and as specified herein.

4.1.1 *Group B inspection* Group B inspection shall be in accordance with Specification MIL-A-27434. Mating dimensions shall be as specified in figure 2

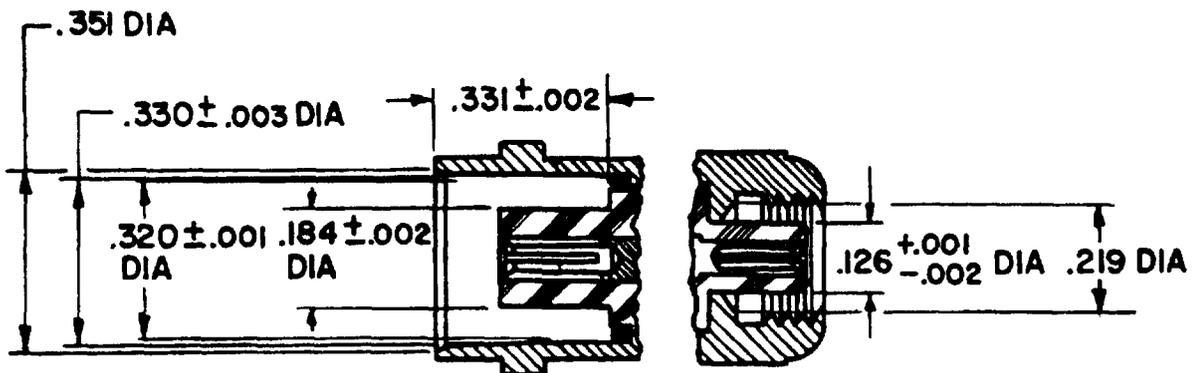
5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-A-27434.



- 1 All dimensions in inches
- 2 Unless otherwise specified, tolerances are ± 0.005 on decimals

FIGURE 1 Type UG-890/U connector adapter.



SERIES BNC

SERIES SM

- 1 All dimensions in inches
- 2 Unless otherwise specified, tolerances are ± 0.005 on decimals

FIGURE 2 Dimensional requirements for group B inspection

6. NOTES

6.1 Notes. In addition to the notes specified herein, the notes specified in Specification MIL-A-27434 are applicable to this specification

6.2 This specification covers the design of type UG-690/U connector adapter which was previously covered by MS military standard MS35113 (SigC).

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Custodians:

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Navy—Bureau of Ships
Air Force

Preparing activity:

Army—Signal Corps