

INCH-POUND

MIL-A-22641/17B
9 November 2011
SUPERSEDING
MIL-A-22641/17A
14 June 1965

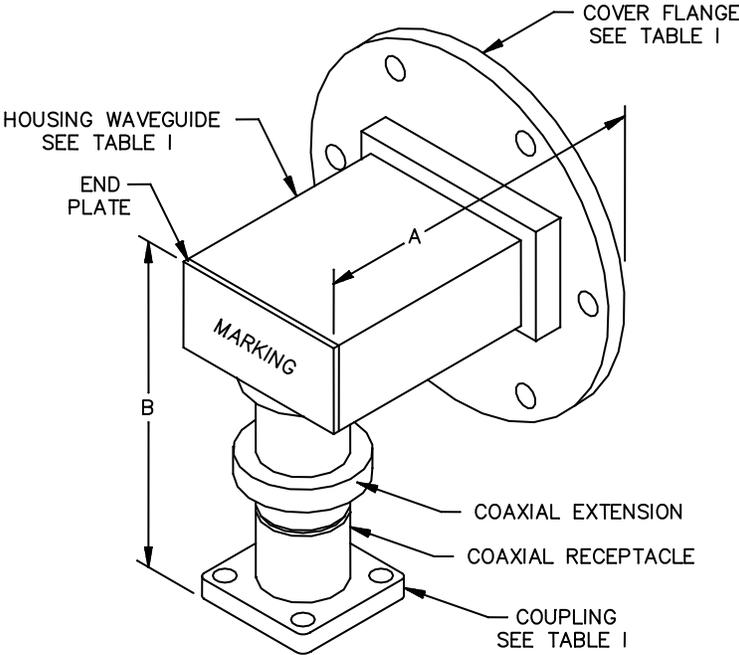
MILITARY SPECIFICATION SHEET

ADAPTERS, COAXIAL TO WAVEGUIDE (CLASS III - .875 INCH),
TYPES UG-405/U, UG-522/U, UG-1622/U, AND UG-1663/U

INACTIVE FOR NEW DESIGN
AFTER 8 MAY 1998.

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

The requirements for acquiring the relays described herein
shall consist of this specification sheet and MIL-DTL-22641.



- NOTES:
- 1. Dimensions are in inches.
 - 2. Metric equivalents are given for general information only.

FIGURE 1. Dimensions and configuration.

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TABLE I. Adapters, coaxial to waveguide (class III - .875 inch).

Part number	UG type	Housing waveguide	Cover flange 1/	A (max)	B (max)	Frequency range (mc)	VSWR over entire freq. range	VSWR' over 50% freq. range	Coupling
M22641/17-01	UG-522/U	M85/1-039 RG-48/U	UG-53/U	3.500 (88.90)	5.000 (127.00)	2,600 3,950	1.3	1.25	M
M22641/17-02	UG-405/U	M85/1-039 RG-48/U	UG-53/U	3.500 (88.90)	4.250 (107.95)	2,600 3,950	1.3	1.25	F
M22641/17-03	UG-1662/U	M85/1-041 RG-75/U	UG-584/U	3.500 (88.90)	5.000 (127.00)	2,600 3,950	1.3	1.25	M
M22641/17-04	UG-1663/U	M85/1-041 RG-75/U	UG-584/U	3.500 (88.90)	4.250 (107.95)	2,600 3,950	1.3	1.25	F

1/ Cover flange in accordance with MIL-DTL-3922.

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I. The coaxial end shall be equivalent to standard female coupling UG-46/U or standard male coupling UG-45/U and shall be capable of properly mating with UG-45/U and UG-46/U, respectively, as specified (see table I). (Bureau of Ships drawings REA49330 and REA49331 or equivalent)

VSWR: See table I.

Frequency range: See table I.

Referenced documents. In addition to MIL-DTL-22641, this document references the following:
MIL-DTL-3922

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodian:
Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5985-2011-016)

Reviewing activities:
Army - AV, MI
Navy - AS, MC
Air Force - 99

NOTE: The activities listed above were interested in this document as of 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 <https://assist.daps.dla.mil/>.