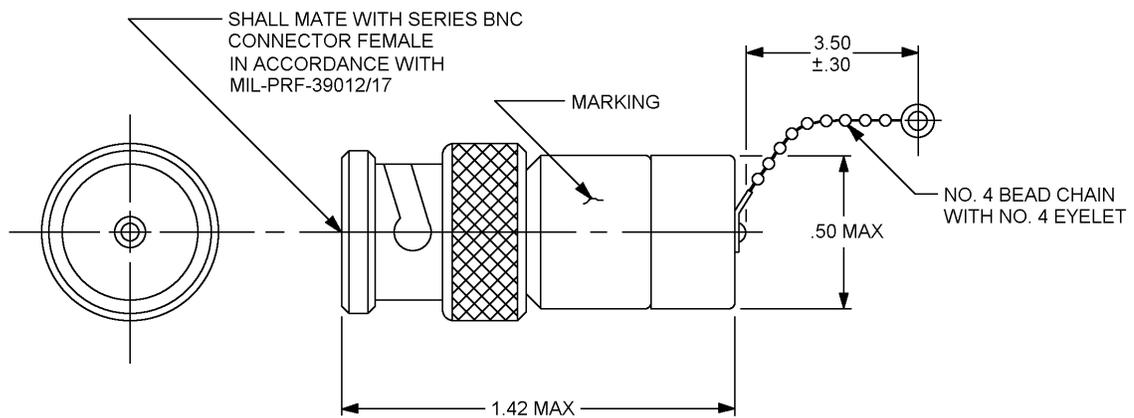


DETAIL SPECIFICATION SHEET

DUMMY LOADS, ELECTRICAL, COAXIAL,
 TYPE III (BNC), LOW POWER

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-DTL-39030.



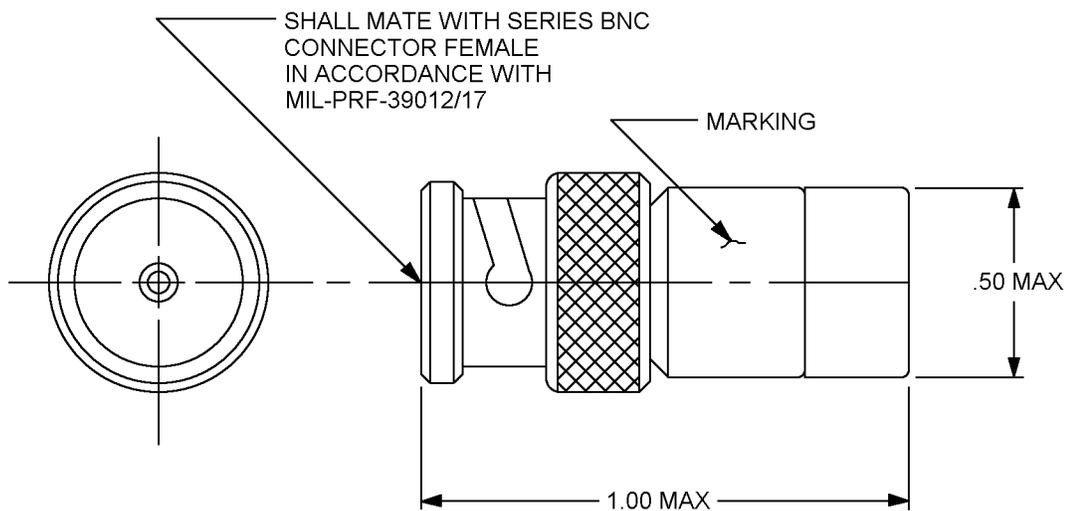
Inches	mm
.30	7.6
.50	12.7
1.42	36.1
3.50	88.9

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Part or Identifying Number (PIN).

FIGURE 1. Dimensions and configuration, PINs M39030/7-01, -02, -03, and -04.

MIL-DTL-39030/7A

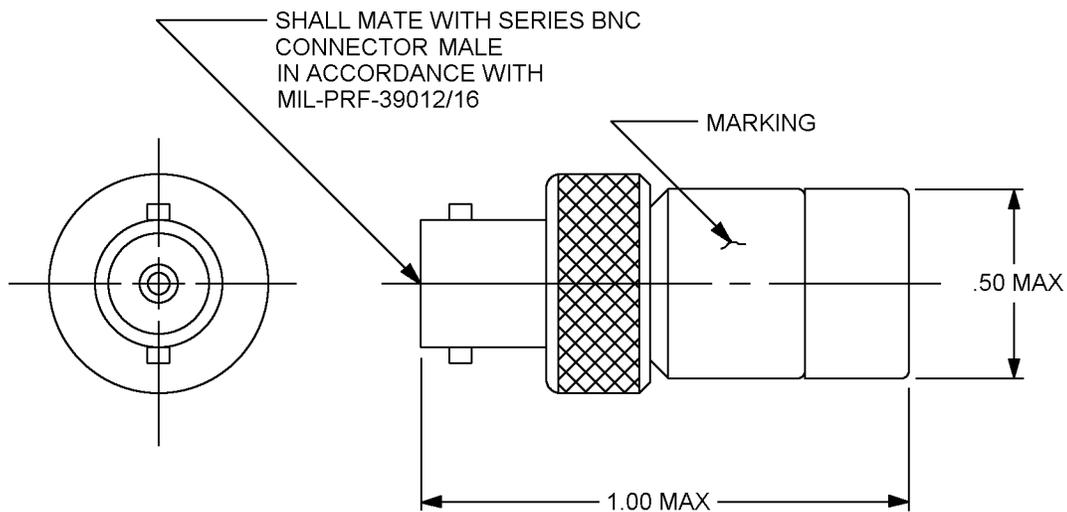


Inches	mm
.50	12.7
1.00	25.4

NOTES:

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

FIGURE 2. Dimensions and configuration, PIN M39030/7-05.



Inches	mm
.50	12.7
1.00	25.4

NOTES:

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

FIGURE 3. Dimensions and configuration, PIN M39030/7-06.

TABLE I. Dash numbers and characteristics.

Dash number	Operating frequency (GHz)	VSWR (max)	Power handling capability (max)		Nominal characteristic impedance (ohms)	Weight (max) (oz)	Finish of body and connector	Figure number
			Average (watts)	Peak (watts)				
01	DC to .25	1.10:1	.5	1.0K	75	1.1	Gold plated in accordance with ASTM B488, type 3 class 1.27	1
02	DC to .25	1.10:1	.5	1.0K	93	1.1	Gold plated in accordance with ASTM B488, type 3 class 1.27	1
03	DC to .25	1.10:1	.5	1.0K	100	1.1	Gold plated in accordance with ASTM B488, type 3 class 1.27	1
04	DC to .25	1.10:1	.5	1.0K	600	1.1	Gold plated in accordance with ASTM B488, type 3 class 1.27	1
05	DC to 2.5	1.15:1	2.0 <u>1/</u>	1.0K <u>1/</u>	50	1.0	Nickel plated in accordance with SAE-AMS-QQ-N-290	2
06	DC to 2.5	1.15:1	2.0 <u>1/</u>	1.0K <u>1/</u>	50	1.0	Nickel plated in accordance with SAE-AMS-QQ-N-290	3

1/ Power input is derated linearly from 100 percent at +25°C to 50 percent at +85°C and from 50 percent at +85°C to 25 percent at +125°C.

REQUIREMENTS:

Dimensions and configurations: See figures 1 thru 3.

Electrical characteristics: See table I.

Materials:

Body and connector: Corrosion-resistant steel in accordance with SAE-AMS-QQ-S-763 (dash numbers 01 thru 04) or brass in accordance with ASTM B121, ASTM B36, ASTM B16, ASTM B16M and ASTM B124 (dash numbers 05 and 06).

Finish: See table I.

Contact pin and contact socket: Beryllium copper in accordance with ASTM B196, ASTM B197 and ASTM B194.

Finish: Gold plated mating surface for all series. The socket contact shall be plated to a minimum of 50 micro inches (1.27 μ m) of gold in accordance with ASTM B488, type 3, grade C class 1.27, over 50 micro inches (1.27 μ m) minimum of nickel in accordance with AMS-QQ-N-290, class 1, including the I.D., measured at a depth of .040 inches minimum. The plating on non-significant surfaces in the I.D. shall be of sufficient thickness to ensure plating continuity and uniform utility and protection. This plating may consist of an under plate only. A silver under plate shall not be permitted.

Bead chain and lug: Corrosion-resistant steel or plastic.

Weight: See table I.

Ambient temperature range:

Operating:

Dash numbers 01 thru 04: -25°C to +105°C.
Dash numbers 05 and 06: -55°C to +125°C.

Non-operating (storage):

Dash numbers 01 thru 04: -25°C to +105°C.
Dash numbers 05 and 06: -55°C to +125°C.

PIN: M39030/7-(dash number from table I).

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

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5985-3244-005)

Review activities:
Army - AV, MI
Navy - AS, OS, SH
Air Force -19