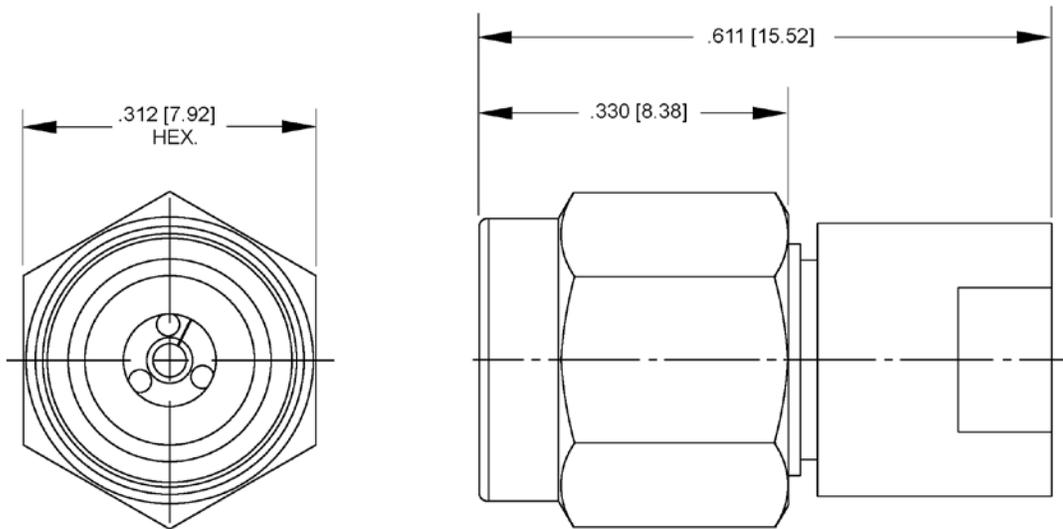


DETAIL SPECIFICATION SHEET

DUMMY LOAD, ELECTRICAL,
COAXIAL, TYPE I (SMK), DC-32.0 GHz

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 sheet and MIL-DTL-39030.



Inches	mm
.312	7.92
.330	8.38
.611	15.52

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Series SMK pin contact interface in accordance with MIL-STD-348.

FIGURE 1. Dimensions and configurations.



REQUIREMENTS:

Dimensions and configurations: See figure 1.

Electrical characteristics:

Operating frequency: DC to 32.0 GHz.

Voltage standing wave ratio (VSWR): 1.25:1, maximum.

Power:

Average: 2.0 watts. Derated linearly from +25° C to 0.5 watts at +125° C.

Peak: 500 watts maximum at 5 microsecond pulse with a .0005 duty cycle.

Nominal characteristic impedance: 50 ohms.

Materials:

Equivalent industry standards may be used with the approval of the qualifying activity.

Body: Corrosion-resistant steel in accordance with SAE-AMS-5640.

Finish: Passivated in accordance with SAE-AMS-2700.

Contact: Beryllium copper in accordance with ASTM B196/B196M, ASTM B197/B197M and ASTM B194.

Finish: The male pin type I shall be a minimum gold thickness of 50 micro inches (1.27 μm) in accordance with ASTM B488, type 1, grade C, class 1.27, over 50 micro inches (1.27 μm) minimum of nickel in accordance with SAE-AMS-QQ-N-290, class 1, measured anywhere along the mating surface, for all series.

Weight: Not applicable.

Ambient temperature range:

Operating: -55° C to +125° C.

Part or Identifying Number (PIN): M39030/23-01.

Referenced documents: In addition to MIL-DTL-39030, this document references the following:

ASTM B488	ASTM B196/B196M
MIL-STD-348	ASTM B197/B197M
SAE-AMS-5640	ASTM B488
SAE-AMS-QQ-N-290	ASTM B194
SAE-AMS-2700	

MIL-DTL-39030/23

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA – CC

Preparing activity:
DLA - CC

(Project 5985-2014-034)

Review activities:

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

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 information above using the ASSIST Online database at <https://assist.dla.mil>.