

1. MATERIALS AND FINISHES:
BODY - BeCu, GOLD PLATING, .000030 [0.8] THICK OVER NICKEL
CONTACT - BeCu, GOLD PLATING, .000030 [0.8] THICK OVER NICKEL
INSULATOR - PTFE

A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 26.5 GHz
C. VSWR(RETURN LOSS): 1.2 (20.8 dB), MAX. DC-10GHz
1.4 (15.6 dB), MAX. 10-18GHz
1.5 (14 dB), MAX. 18-26.5GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

A. DURABILITY: 100 CYCLES MIN.
B. ENGAGEMENT FORCE: 15 LB [67 N] MAX
C. DISENGAGEMENT FORCE: 2 LB [9 N] MIN
E. TEMPERATURE RANGE: -65° C TO 165° C

A. QUANTITY: SINGLE PACK
B. MARKING: AMPHENOL, SMP-FS-C06, DATE CODE

5. SEE AMPHENOL SPEC 349-50686 FOR CABLE ASSEMBLY INSTRUCTIONS.

A technical drawing of a bolt and nut assembly. The bolt is shown in profile, with a hexagonal head on the left and a threaded shank. The nut is shown on the right, with a hexagonal shape and a central hole. The drawing is a line drawing with no shading.

Technical drawing of a connector assembly, showing a side view and a cross-sectional view.

Side View Dimensions:

- Overall length: $.260 \text{ REF}$
- Central section diameter: $\varnothing .135 \text{ REF}$

Callouts:

- INTERFACE PER MIL-STD-348 SERIES SMP (pointing to the left end)
- CONTACT (pointing to the contact area in the cross-section)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

2 PLACE DECIMAL	3 PLACE DECIMAL	ANGLES
±.015 (0,381 mm)	±.005 (0,127 mm)	± 1°

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REFERENCE

GEN# ASSYFI_SMP
EAR# 967585-1 & 1693
615x-1600-100-1

DATE
02-0c t - 01

DATE
26-Jun-00

DATE
2/23/05

SMP FEMALE
FOR .047 S.R.

Amphenol RF
Danbury, CT, USA
Tainan, Taiwan
Shenzhen, China
www.amphenolrf.com

SCALE: 25.0:1	SHEET 2 OF 2
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DWG SIZE
B

E D R A W I N G N O .

SMP-FS-C06

REV
A