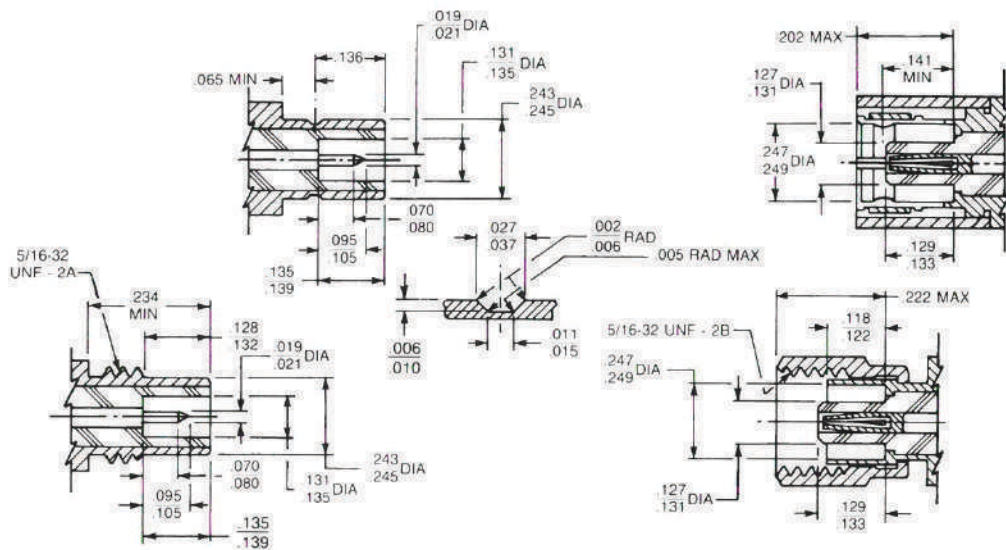


Interface Dimensions



SPECIFICATIONS

MATERIALS:

Body components: Male contacts and nuts

Brass per ASTM B16, alloy 360, ½ hard

Spring contacts: Beryllium copper, ASTM B196, condition HT

Lockwashers: Phosphor Bronze per ASTM B139

FINISH:

Center contacts: Gold-plated per MIL-G-45204,
type II, class 1, grade C

Other metal parts: Gold-plated per MIL-G-45204,
type II, class 1, grade C, over Copper per MIL-C-14550,
class 4 or per customer specifications

ELECTRICAL:

Impedance: 75 Ω, nominal

Frequency: 0 to 2 GHz

Voltage rating (max): Sea level 165 VRMS,
70,000 ft, 65 VRMS

Voltage drop: 4 mV max at 1 amp
including mating connector

Insulation Resistance: 1,000 MΩ (min)

Contact Resistance: (mΩ max)

Dielectric withstanding voltage (sea level): 75 Ω

conn. for RG-180B/U cable, 2,000 VRMS

Corona level: at 70,000 ft altitude (min) 75 Ω

conn. for RG-180B/U Cable, 350 V

R.F. high-potential voltage: Frequency 5 MHz

75 Ω conn. for RG-180B/U cable, 1,000 VRMS

R.F. leakage: dB min at 2 to 3 GHz:

SNAP-ON, 55; SCREW-ON, 60

Insertion loss: (dB) max at 1.5 GHz:

STRAIGHT, 0.30; RIGHT ANGLE, 0.60

MATING CHARACTERISTICS:

Interface design: Interchangeable with leading manufacturers

Engagement Force:	SNAP-ON	SCREW-ON
Longitudinal force	14 lb max	N/A
Torque	N/A	90 in-oz

Cable pullout resistance: 18 lb min, clamp and crimp types

Coupling nut pullout resistance: Female screw-on types,
35 lb min to 100 lb

Initial	STRAIGHT	RT. ANGLE
Center	6.0	12.0
Outer contact	1.0	1.0
Braid to body	1.0	1.0

75 OHM