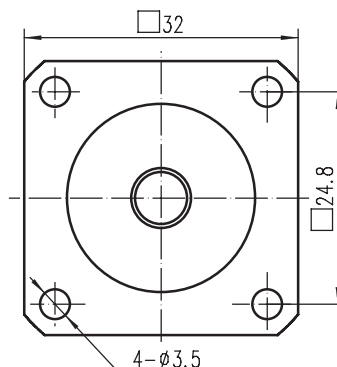
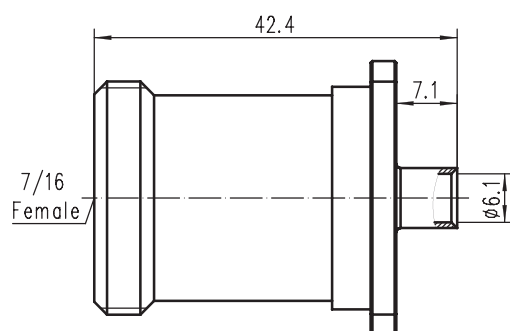


CONNECTOR

7/16 Female with 250' cable

7/16-KFB5



Code: 320003

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR	≤ 1.25
Insertion loss	≤ 0.05 dB
Insulation resistance	≥ 10 G Ω
Center contact resistance	≤ 0.4 m Ω
Outer contact resistance	≤ 1.5 m Ω
Test voltage (at sea level)	4000 V rms,
Working voltage (at sea level)	2700 V rms,
Power handling (at 20 °C, sea level, VSWR 1.0)	1600 W @ 1 GHz 700 W @ 4 GHz
Intermodulation (3rd order)	≤ -117 dBm @ 2 x 20 W

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 1000 N
Center contact captivation: axial	≥ 200 N
radial	≥ 3 Ncm
Coupling torque (recommended)	25 to 30 Nm

Material and plating

Connector parts	Material	Plating
Center contact	Phosphor Bronze	Silver, 3-6 μ m
Outer contact	Brass	Cu-Sn-Zn
Dielectric	PTFE	

Environmental data

Temperature range	-45°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
2002/95/EC (RoHS)	compliant