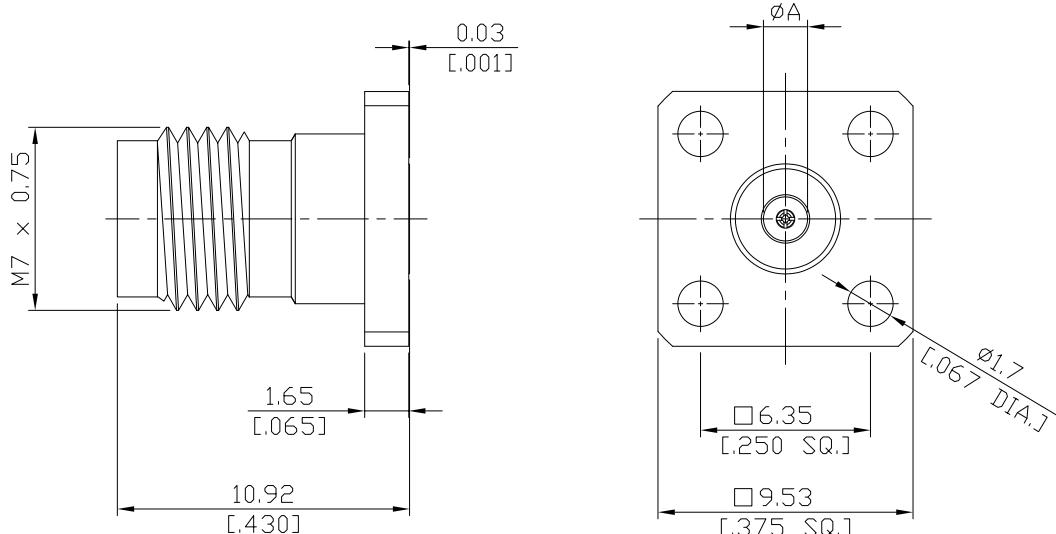


2.4mm Jack (female) Connector 4 Straight Field Replaceable
6.35mm (.250 inch) Hole Spacing, DC-50GHz VSWR 1.15

Q2BF50-0020B / 9X



P/N	Accept Pin mm [inch]	Max. Pin Depth mm [inch]	ØA mm [inch]
Q2BF50-0020B/9X	0.51 [.020]	1.65 [.065]	1.65 [.0651]
Q2BF50-0012B/9X	0.30 [.012]	2.16 [.085]	1.23 [.0483]
Q2BF50-0009B/9X	0.23 [.009]	1.65 [.065]	1.07 [.0421]

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-35 ; MIL-STD-348B/324

Electrical Data

Impedance

50 Ω

Frequency

DC to 50 GHz

VSWR (Return loss)

≤1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.01 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage

750V rms

Working voltage

250 V rms

Power handling

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

Body

Stainless Steel

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Insulator

PS

Passivated

**2.4mm Jack (female) Connector 4 Straight Field Replaceable
6.35mm (.250 inch) Hole Spacing, DC-50GHz VSWR 1.15**

Q2BF50-0020B / 9X

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-55°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100