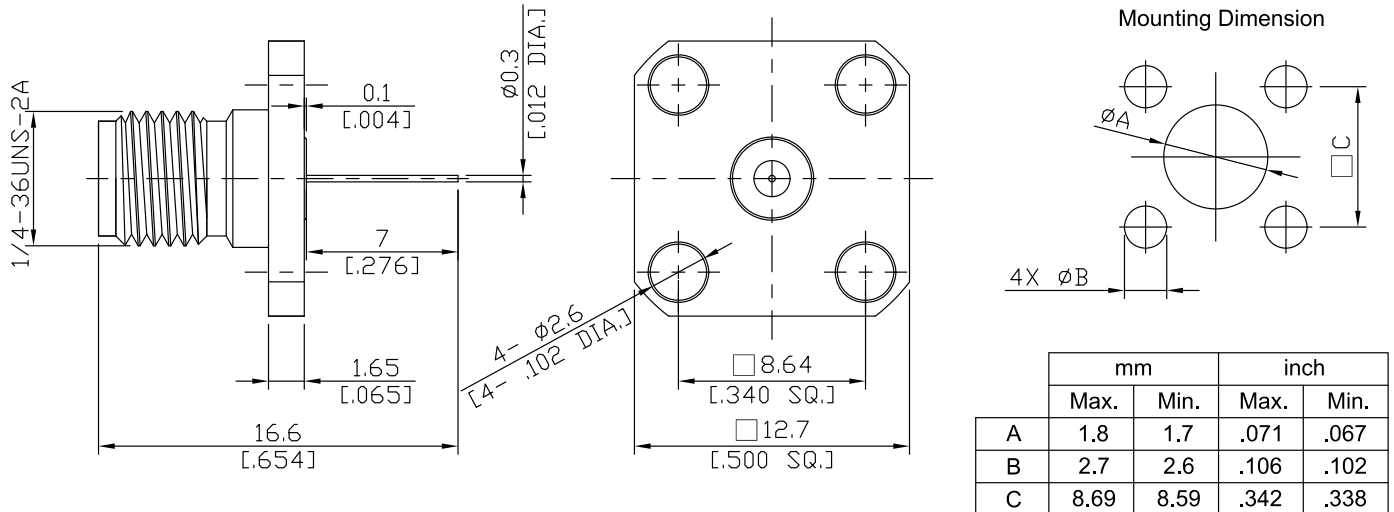


2.92mm Jack (Female) Connector Solder Attachment 4 Hole Flange Mount 0.3mm (.012")  
Coaxial Terminal, 8.64mm (.340") Hole Spacing DC-40GHz, VSWR 1.20

## K2GFA50-1660A / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to IEC 61169-35; IEEE Std 287  
Mechanically compatible with 3.50mm and SMA

### Electrical Data

Impedance 50  $\Omega$   
Frequency DC to 40 GHz  
VSWR (Return Loss)  $\leq 1.20$  ( $\geq 20.83$  dB)  
Insertion Loss  $\leq 0.04 \times \sqrt{F}$  (GHz) dB  
Insulation Resistance  $\geq 5$  G $\Omega$   
Center contact resistance  $\leq 3.0$  m $\Omega$   
Outer contact resistance  $\leq 2.0$  m $\Omega$   
Test Voltage 750 V rms  
Working Voltage (at sea level) 250 V rms  
Power Handling  $\leq 100$  W @ 1 GHz

-VSWR in application depends decisive on PCB layout or cavity design-

### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

2.92mm Jack (Female) Connector Solder Attachment 4 Hole Flange Mount 0.3mm (.012")  
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## K2GFA50-1660A / 9X

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical Captivation
Center contact captivation	≥ 20 N
Coupling test torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm

### Environmental Data

Temperature Range	-65°C to +165°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
RoHS	compliant

### Packing

Single or 100