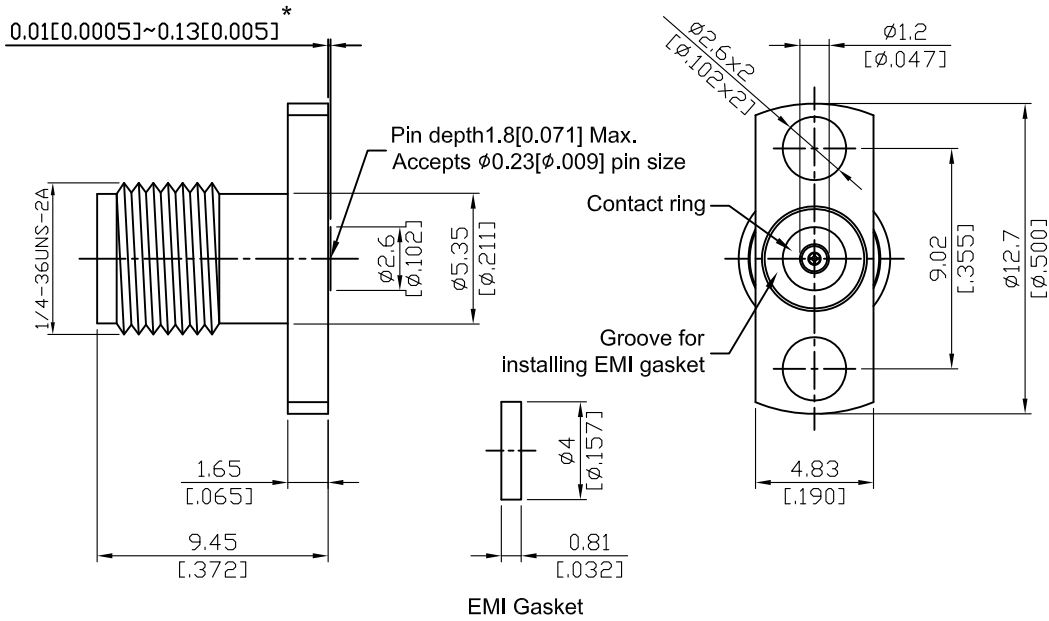


K8F26B-GA09

2.92mm Field Replaceable Jack,
 Φ12.7mm (.500inch) 2 Hole Flange With EMI Gasket,
 Accepts Φ0.23mm (.009inch) Pin,40GHz VSWR 1.15

50Ω



*360° Raised Metal Contact Ring

| Parts | Material | Plating (Micro-inch) |
|--------------|--------------------------------|---|
| Body | Stainless Steel | Passivated |
| Insulator | PEI | |
| Contact Pin | Beryllium Copper | Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20 |
| Contact Ring | Stainless Steel | Passivated |
| EMI Gasket | Conductive Silicone Elastomers | |

This part number complies with RoHS.

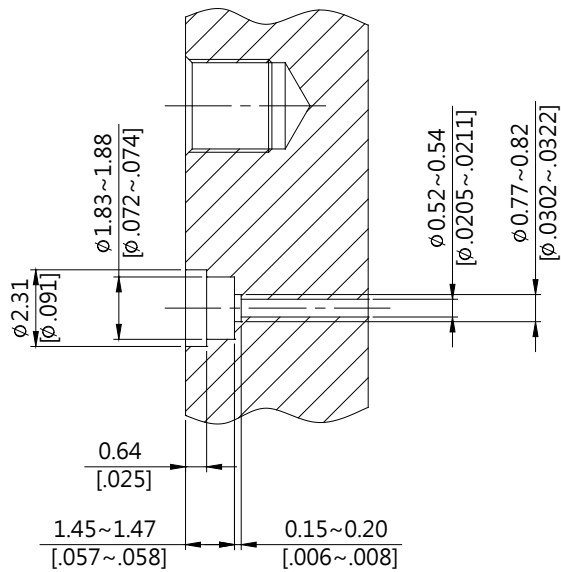
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

| K | K8F26B-GA09 |
|--|-------------|
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Interface</div> MIL-STD-348B Mechanically compatible with 3.5 & SMA | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Electrical Data</div> Impedance 50Ω Frequency range DC to 40GHz VSWR ≤ 1.15 (DC to 40GHz) Insertion loss $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB Insulation resistance $\geq 5000\text{M}\Omega$ Contact resistance inner conductor $\leq 3\text{m}\Omega$ Contact resistance outer conductor $\leq 2\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 750 V rms Working Voltage (at sea level) 250 V rms RF leakage $\geq 100\text{dB}$ to 1GHz | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Mechanical Data</div> Recommended coupling nut torque 11.47 inch lbs Coupling proof torque 15 inch lbs Contact Captivation-axial ≥ 4.9 lbs Durability (mating) ≥ 500 | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Environmental Data</div> Temperature range -40°C to +150°C Thermal shock MIL-STD-202, Method 107, Condition B Moisture resistance MIL-STD-202, Method 206 Corrosion MIL-STD-202, Method 101, Condition B RoHS Compliant | |
| <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Accessories</div> Hermetic seal FR009-SEAL1 Launch pin & Dielectric transition FR009-LAUNCH1; FR009-LAUNCH2 Tab pin & Dielectric transition FR009-TAB2; FR009-TAB3 Tab pin FR009-TAB1 | |

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

Recommended Launch Hole Dimensions :

1. Using Hermetic seals



Hermetic seal P/N

FR009-SEAL1

2. Using dielectric with Tab or Launch pin



"A" = Substrate thickness

"B" = A + 1/2 Tab or Launch terminal

| Dielectric and Tab/ Launch pin P/N | Recommended Launch hole dia. | Recommended Launch hole length |
|------------------------------------|------------------------------|--------------------------------|
| FR009-LAUNCH1 | $\phi 0.74 (.029)$ | 4.75 (.187) |
| FR009-LAUNCH2 | $\phi 0.74 (.029)$ | 3.18 (.125) |
| FR009-TAB2 | $\phi 0.74 (.029)$ | 3.18 (.125) |
| FR009-TAB3 | $\phi 0.74 (.029)$ | 4.75 (.187) |

3. Using Tab pin



Tab pin P/N

FR009-TAB1

K8F26B-GA09 (Tested back to back)

