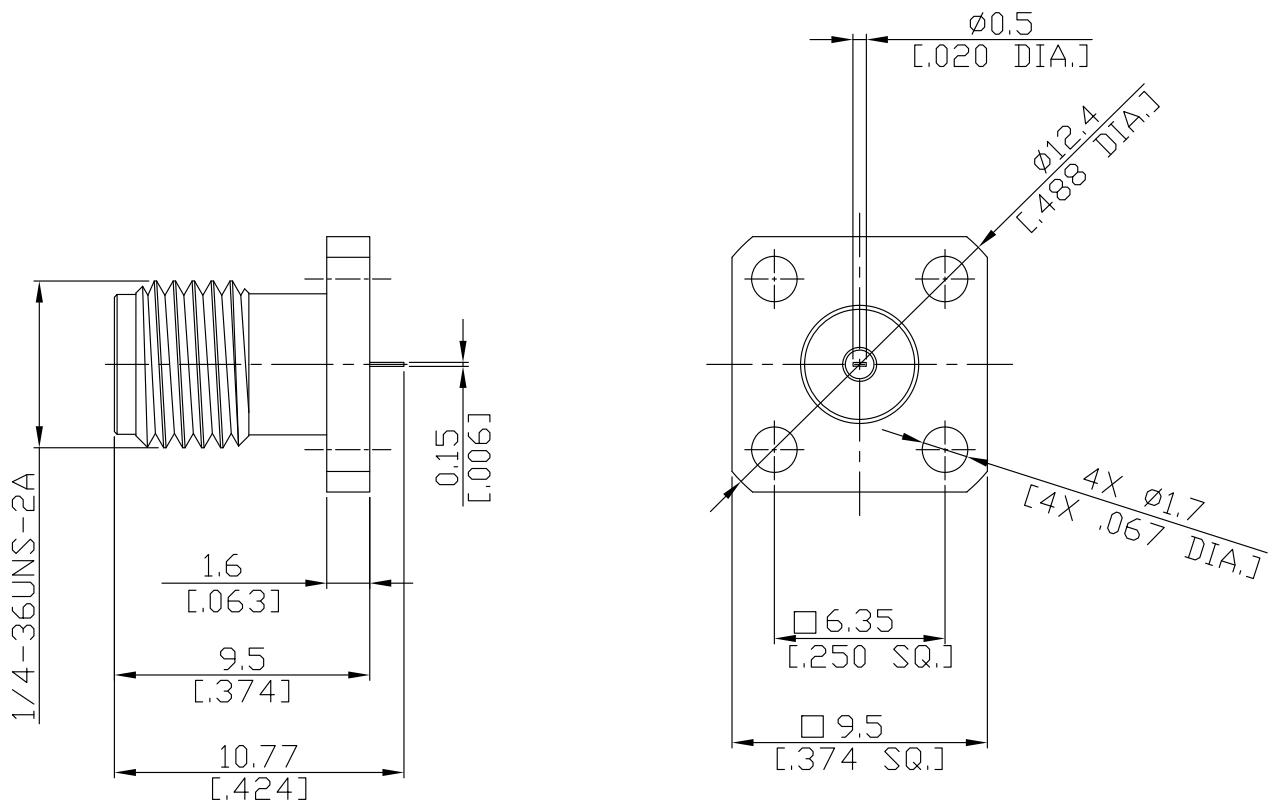


SMA Jack (Female) Connector Solder Attachment 4 Hole Flange Mount
Flat Terminal, 6.35mm (.250 inch) Hole Spacing DC-18GHz VSWR1.30

SMA2GFD50-1077B / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-15; MIL-STD-348B/310

Electrical Data

| | |
|--|----------------------|
| Impedance | 50 Ω |
| Frequency | DC to 18 GHz |
| VSWR (Return Loss) | ≤ 1.30 (≥ 17.7 dB) |
| Insertion Loss | ≤ 0.05 x √F (GHz) dB |
| Insulation Resistance | ≥ 5 GΩ |
| Center Contact Resistance | ≤ 3 mΩ |
| Outer Contact Resistance | ≤ 2 mΩ |
| Test Voltage | 1000 V rms |
| Working Voltage (at sea level) | 480 V rms |
| Power Handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz |

Material And Plating

| Piece Parts | Material | Plating |
|----------------|------------------|--|
| Centre contact | Beryllium Copper | Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch) |
| Body | Stainless Steel | Passivated |
| Insulator | PTFE | |

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-
Date:
JUL/16/2021

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

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SMA Jack (Female) Connector Solder Attachment 4 Hole Flange Mount Flat Terminal, 6.35mm (.250 inch) Hole Spacing DC-18GHz VSWR1.30

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Mechanical Data

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°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. I |
| Moisture Resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Packing

Single or 100