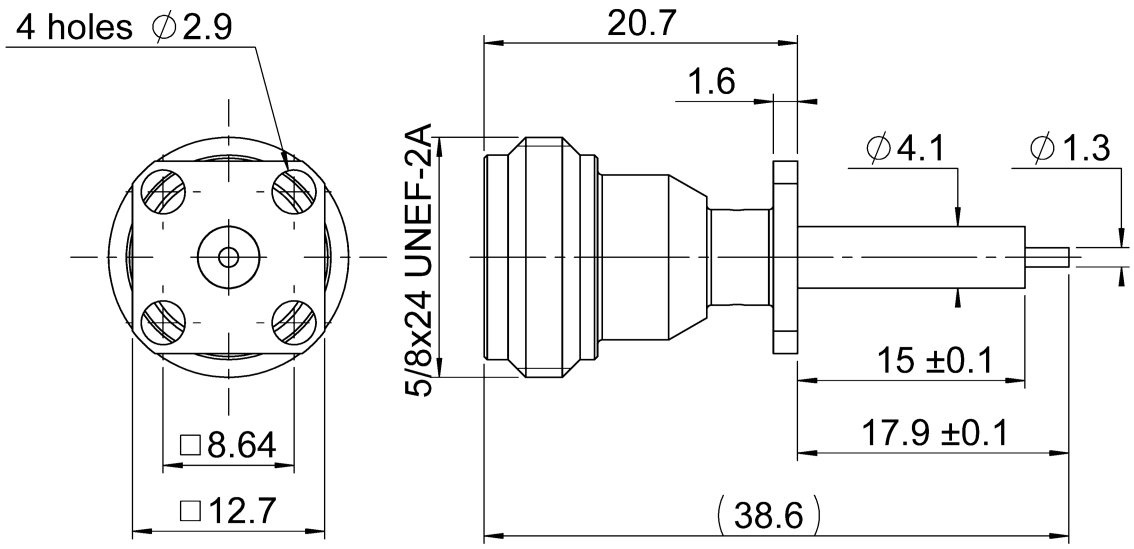
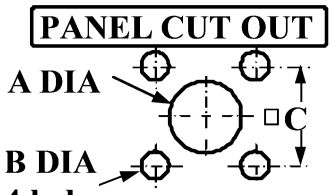
# Technical Data Sheet

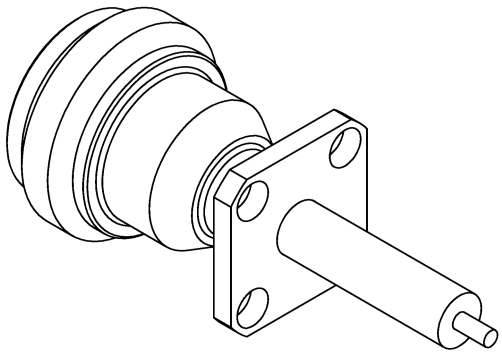
1/2 INCH SQUARE FLANGE JACK RECEPTACLE WITH CYLINDRICAL CONTACT.

| PAGE 1/2 | ISSUE 1449B | SERIES N | PART NUMBER R161410520 |
|---|---|---|---|

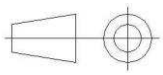



| | mm | |
|---|---|---|
| | Maxi | mini |
| A | 4.2 | 4.1 |
| B | 2.7 | 2.6 |
| C | 8.69 | 8.59 |



All dimensions are in mm.



| COMPONENTS | MATERIALS | PLATING (µm) |
|---|---|---|
| Body | **BRASS** | **BBR** |
| Center contact | **BERYLLIUM COPPER** | **GOLD OVER NICKEL** |
| Outer contact | - | - |
| Insulator | **PTFE** | |
| Gasket | - | |
| Others parts | - | - |
| - | - | - |
| - | - | - |

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## PACKAGING

| Standard | Unit | Other |
|---|---|---|
| **50** | **Contact us** | **Contact us** |

## ELECTRICAL CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Impedance | | | **50** | Ω |
| Frequency | | | **0-11** | GHz |
| VSWR | **1.04** | **+** | **0.0040** | x F(GHz) Maxi |
| Insertion loss | | | **.015*** | √F(GHz) dB Maxi |
| RF leakage | | - ( | **101** | - F(GHz)) dB Maxi |
| Voltage rating | | | **1400** | Veff Maxi |
| Dielectric withstanding voltage | | | **2500** | Veff mini |
| Insulation resistance | | | **5000** | MΩ mini |

## ENVIRONMENTAL

| | | |
|---|---|---|
| Operating temperature | **-55/+155** | °C |
| Hermetic seal | **NA** | Atm.cm3/s |
| Panel leakage | **NA** | |

## MECHANICAL CHARACTERISTICS

| | | |
|---|---|---|
| Center contact retention | | |
| Axial force – Mating End | **27** | N mini |
| Axial force – Opposite end | **27** | N mini |
| Torque | **2.8** | N.cm mini |
| Recommended torque | | |
| Mating | **NA** | N.cm |
| Panel nut | **NA** | N.cm |
| Mating life | **500** | Cycles mini |
| Weight | **13.0500** | g |

## SPECIFICATION

## OTHER CHARACTERISTICS

Assembly instruction:

Others:
*** Coaxial Transmission Line Only**

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