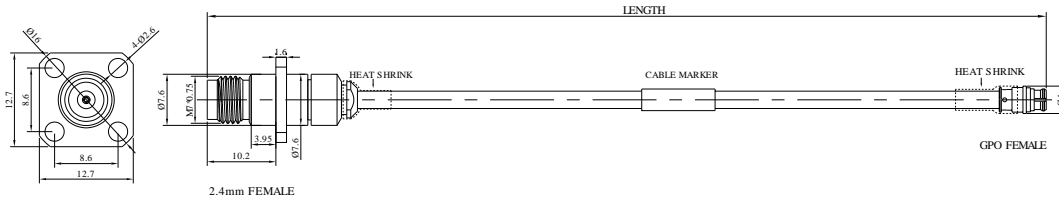


## 2.4mm Female with 4 Hole Flange to GPO (SMP) Female Cable Using RG-405SS Flexible Coax, DC - 50GHz

P/N: FRF71-24FFGPF-XXX



Dimensions are in mm



### Product Configuration

|                             |               |
|-----------------------------|---------------|
| Connector 1 Series          | 2.4mm         |
| Connector 1 Polarity        | Standard      |
| Connector 1 Gender          | Female        |
| Connector 1 Impedance (Ohm) | 50            |
| Connector 1 Mount Method    | 4 Hole Flange |
| Connector 1 Body Style      | Straight      |
| Connector 2 Series          | GPO(SMP)      |
| Connector 2 Polarity        | Standard      |
| Connector 2 Gender          | Female        |
| Connector 2 Impedance (Ohm) | 50            |
| Connector 2 Mount Method    | None          |
| Connector 2 Body Style      | Straight      |
| Coax Cable                  | RG-405SS      |

### Mechanical Data

|                           |                  |
|---------------------------|------------------|
| Connector 1 Body Material | Stainless Steel  |
| Connector 1 Body Plating  | Passivated       |
| Connector 2 Body Material | Beryllium Copper |
| Connector 2 Body Plating  | Gold             |
| Out Diameter              | 2.54mm           |
| Min. Bending Radius       | 6.35mm           |
| Mating Cycles, Min        | ≥500             |

## 2.4mm Female with 4 Hole Flange to GPO (SMP) Female Cable Using RG-405SS Flexible Coax, DC - 50GHz

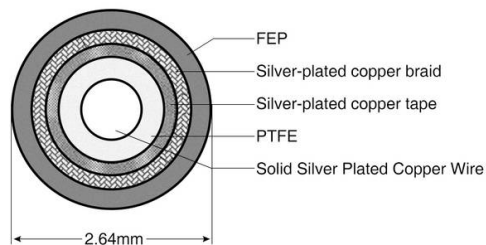
P/N: FRF71-24FFGPF-XXX

### Environmental Specifications

|                             |                  |
|-----------------------------|------------------|
| RoHS Compliant              | Yes              |
| Operating Temperature Range | -40 °C to +80 °C |
| MIL/STD                     | N/A              |

### Cable Specifications

| Description                | Parameter                  |
|----------------------------|----------------------------|
| Center Conductor           | Silver plated copper wire  |
| Dielectric                 | PTFE                       |
| Inner Conductor            | Silver-plated copper tape  |
| Outer Conductor            | Silver-plated copper braid |
| Jacket                     | FEP                        |
| Jacket Diameter(mm)        | 2.64                       |
| Capacitance(pF/m)          | 96.5                       |
| Velocity of propagation(%) | 70                         |
| Min. bending radius(mm)    | 6                          |
| Shielding Effectiveness    | > -100dB @ 1GHz            |



### Part Number List

| Part Number        | Length(mm) | Frequency | Insertion Loss ≤ (dB) |       |       | VSWR            |
|--------------------|------------|-----------|-----------------------|-------|-------|-----------------|
|                    |            |           | 3GHz                  | 10GHz | 18GHz |                 |
| FRF71-24FFGPF-1000 | 1000±10    | DC-50GHz  | 1.89                  | 2.88  | 3.99  | ≤ 1.35 to 18GHz |
| FRF71-24FFGPF-500  | 500±5      | DC-50GHz  | 1.03                  | 1.60  | 2.28  | ≤ 1.35 to 18GHz |
| FRF71-24FFGPF-300  | 300±3      | DC-50GHz  | 0.69                  | 1.09  | 1.50  | ≤ 1.35 to 18GHz |
| FRF71-24FFGPF-200  | 200±3      | DC-50GHz  | 0.52                  | 0.83  | 1.16  | ≤ 1.35 to 18GHz |
| FRF71-24FFGPF-100  | 100±3      | DC-50GHz  | 0.35                  | 0.58  | 0.79  | ≤ 1.35 to 18GHz |

Note: Phase Matching is available by request.