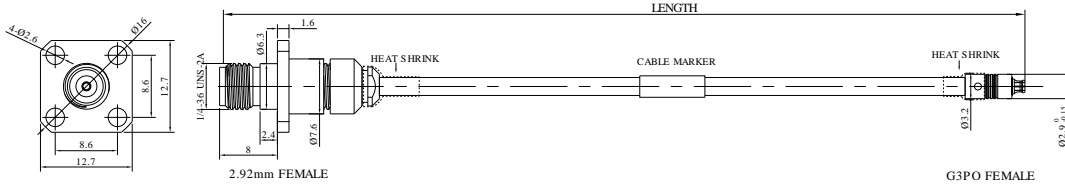


## 2.92mm Female with 4 Hole Flange to G3PO (SMPS) Female Cable Using RG-405SS Flexible Coax, DC - 40GHz

P/N: FRF71-292FFG3PF-XXX



Dimensions are in mm

### Product Configuration

|                             |               |
|-----------------------------|---------------|
| Connector 1 Series          | 2.92mm        |
| 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          | G3PO(SMPS)    |
| 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             |

## 2.92mm Female with 4 Hole Flange to G3PO (SMPS) Female Cable Using RG-405SS Flexible Coax, DC - 40GHz

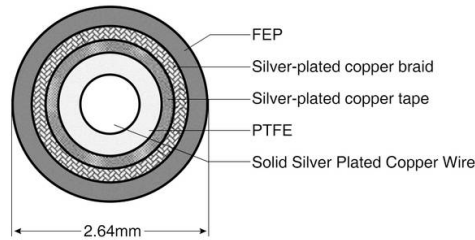
P/N: FRF71-292FFG3PF-XXX

### 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 | 40GHz |                 |
| FRF71-292FFG3PF-1000 | 1000±10    | DC-40GHz  | 1.33                  | 2.71  | 3.65  | 6.92  | ≤ 14dB to 40GHz |
| FRF71-292FFG3PF-500  | 500±5      | DC-40GHz  | 0.785                 | 1.42  | 2.15  | 3.82  | ≤ 14dB to 40GHz |
| FRF71-292FFG3PF-300  | 300±3      | DC-40GHz  | 0.53                  | 0.96  | 1.49  | 2.56  | ≤ 14dB to 40GHz |
| FRF71-292FFG3PF-200  | 200±3      | DC-40GHz  | 0.404                 | 0.74  | 1.16  | 1.94  | ≤ 14dB to 40GHz |
| FRF71-292FFG3PF-100  | 100±3      | DC-40GHz  | 0.27                  | 0.52  | 0.83  | 1.32  | ≤ 14dB to 40GHz |

Note: Phase Matching is available by request.