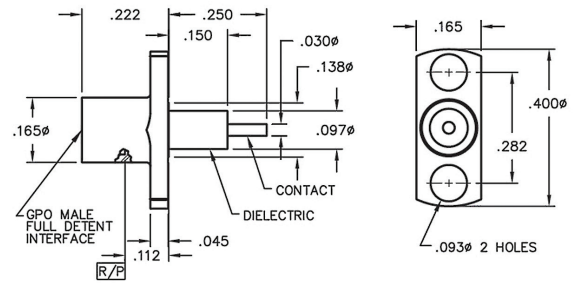


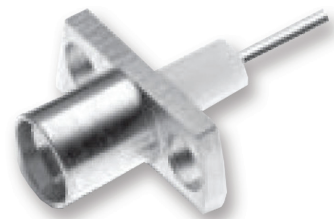
# GPO Male Flange Mounts

Full Detent 2 Hole Flange Mount Straight Terminal

CORNING



Part Number: 0119-441-3



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## Specifications

| General Specifications     |                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------|
| Category                   | Flange Mounts                                                                                 |
| Impedance                  | 50 $\Omega$                                                                                   |
| Frequency Range            | DC to 40 GHz typ.                                                                             |
| Materials, Bodies          | Beryllium Copper per ASTM B196 and or/ASTM B197                                               |
| Materials, Outer Contacts  | Beryllium Copper per ASTM B196 and or/ASTM B197                                               |
| Materials, Center Contacts | Beryllium Copper per ASTM B196 and or/ASTM B197                                               |
| Materials, Insulators      | PTFE Fluorocarbon per ASTM D1710                                                              |
| Materials, Springs         | 17-7 Stainless Steel per ASTM A313-95A                                                        |
| Finish, Bodies             | Gold plated per MIL-G-45204, Type I, Grade C, Class 1, Over Nickel Plate per SAE AMS-QQ-N-290 |
| Finish, Contacts           | Gold plated per MIL-G-45204, Type I, Grade C, Class 1, Over Nickel Plate per SAE AMS-QQ-N-290 |

| Temperature Range |                  |
|-------------------|------------------|
| Operation         | -65 °C to 165 °C |

| Design - Hardware |          |
|-------------------|----------|
| Length            | 0.400 in |
| Width             | 0.165 in |
| Diameter A        | 0.093 in |
| Dentent Type      | FD       |

| Mechanical Characteristics     |                                             |
|--------------------------------|---------------------------------------------|
| Mate / Demate Cycles FD        | 100 min                                     |
| Mate / Demate Cycles LD        | 500 min                                     |
| Mate / Demate Cycles SB        | 1,000 min                                   |
| Force to Engage / Disengage FD | 7.0 lbs. typ. / 9.0 lbs. typical            |
| Force to Engage / Disengage LD | 5.0 lbs. typ. / 7.0 lbs. typ.               |
| Force to Engage / Disengage SB | 3.0 lbs. typ. / 0.5 lbs. typ.               |
| Tolerated Misalignment Axial   | 0.010 (flush to 0.010 from reference plane) |
| Tolerated Misalignment Radial  | + / - 0.010                                 |

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## Electrical characteristics (at 20°C)

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Insertion Loss                       | 0.40 vf GHz                        |
| DWV at Sea Level                     | 500 Vrms voltage                   |
| Insulation Resistance                | ≥ 5000 MΩ                          |
| Contact Resistance - Outer Conductor | < 2 mΩ                             |
| Contact Resistance - Inner Conductor | < 6 mΩ                             |
| VSWR                                 | 1.25:1 to 18 GHz, 1.35 to 26.5 GHz |

## Environmental Influences

|                     |                                         |
|---------------------|-----------------------------------------|
| Thermal Shock       | MIL-STD-202, Method 107, Condition B    |
| Salt Spray          | MIL-STD-202, Method 101                 |
| Vibration           | MIL-STD-202, Method 204                 |
| Shock               | MIL-STD-202, Method 213, Condition I    |
| Moisture Resistance | MIL-STD-202, Method 106, except Step 7B |

## Ordering Information

|                     |                                                                              |
|---------------------|------------------------------------------------------------------------------|
| Part Number         | 0119-441-3                                                                   |
| Product Description | GPO Male Flange Mounts, Full Detent 2 Hole Flange Mount<br>Straight Terminal |
| EAN Code            | 4056418763392                                                                |



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