

GPPO® Interconnect Series

Product Information

Corning
Gilbert

A sub-miniature, push-on, high performance, microwave interconnect system. Developed in response to industry demand for increased package density, lower weight, and performance at higher frequencies.

- Center-to-center spacing of 0.140" available for increased package density.
- The GPPO® blindmate interconnect, Part No. B1B1-0001-01 weighs just 0.09 grams.
- RF Performance from DC to 65 GHz
- Designed to accommodate both radial and axial misalignment with negligible VSWR change.
- Adapters available to SMA, 2.4mm. and 1.85mm.



GPPO Product Characteristics¹

- **Impedance:** 50 Ohms
- **Frequency:** DC to 65 GHz
- **VSWR:** 1.10:1 to 26.5 GHz typical;
1.30:1 typical to 65 GHz
- **Insulation Resistance:**
5,000 megohms min.
- **Center Conductor Contact Resistance:**
6.0 milliohms max.
- **DWV @ Sea Level:** 325 Vrms
- **Corona Level @ 70,000':** 125 Vrms
- **RF High Pot. @ 5 MHz:** 200 Vrms
- **Force to Engage:** * 4.5 lbs. typical Full
Detent, 2.5 lbs. typical Smooth Bore
- **Force to Disengage:** * 6.5 lbs. typical
Full Detent, 1.5 lbs. typical
Smooth Bore
- **Center Contact Retention:**
1.5 lbs. min. (captivated designs)
- **Misalignment, Radial:** $\pm 0.010''$
- **Misalignment, Axial:** 0.010"
(flush to -0.010" from the
reference plane)
- **Temperature Range:** -65° C to +165° C
- **Environmental Testing:**
Meets MIL-PRF-39012 for Corrosion,
Vibration, Mechanical Shock, Thermal
Shock and Moisture Resistance
(paragraphs 3.13, 3.18, 3.19, 3.20, 3.21)

NOTES:

¹ Performance listed is typical. Individual part configuration may vary. Contact our Customer Care Team for more information and specifications by part number.

* Engage/Disengage forces are not typical when mated with ASTM-F15 shrouds.

Product Examples

B007-M43-01-TAB-R



B014-B11-01



B001-A23-01



B015-B11-01



Corning Gilbert Inc.
Microwave Products

5310 W. Camelback Rd.
Glendale, AZ 85301 U.S.A.

phone: 800 651 8869 (U.S. and Canada)
(01) 623 845 5613 (International)

fax: (01) 623 934 5160

website: www.corning.com/gilbert
e-mail: pushon-info@corning.com

GPPO is a Registered Trademark of Corning Gilbert Inc., Glendale, AZ 85301 U.S.A.
©2011 Corning Gilbert Inc. G-1500-104 05/11