

# GPPO® Interconnect Series

## Product Information

CORNING

Microwave  
Products

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 0.135" 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 Characteristics<sup>1</sup>

- **Impedance:** 50 Ohms
- **Frequency:** DC to 65 GHz
- **VSWR:** 1.1:1 to 26.5 GHz typical;  
1.3:1 typical to 50 GHz
- **Insulation Resistance:**  
5,000 megaohms 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:

<sup>1</sup> 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



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