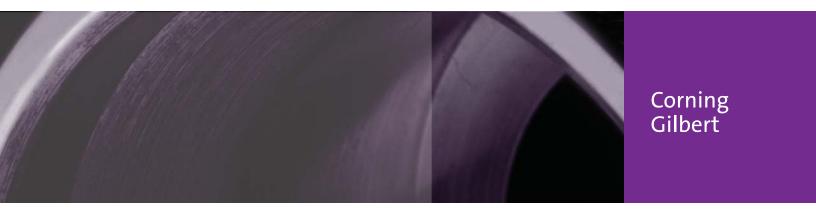
GPPO® Interconnect Series

Product Information



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: ± 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)

Product Examples

B007-M43-01-TAB-R













Corning Gilbert Inc. Microwave Products

NOTES:

1. Performance listed is typical. Individual part

configuration may vary. Contact our Customer Care

and specifications by part number.

* Engage/Disengage forces

are not typical when mated with ASTM-F15 shrouds.

Team for more information

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