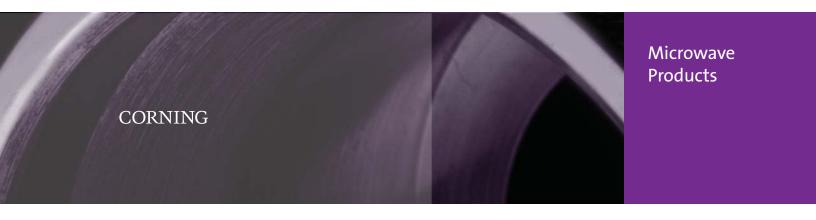
GPO® Interconnect Series

Product Information



A sub-miniature, push-on, blindmate, high performance microwave and RF interconnect system. Developed in response to industry demand for increased package density.

- Center-to-center spacing of 0.170" available for increased package density.
- The GPO® blindmate interconnect, Part No. A1A1-0001-01 weighs just 0.17 grams.
- RF Performance from DC to 40 GHz
- Designed to accommodate both radial and axial misalignment with negligible VSWR change.
- A full range of adapter support.
- Snap together mate for reduced assembly and test time.
- Complies with SMP interface of MIL-STD-348 in accordance with MIL-PRF-39012, DESC 94007/94008



GPO Product Characteristics¹

- Impedance: 50 Ohms
- Frequency: DC to 26.5 GHz Extended performance available to 40 GHz
- VSWR: 1.15:1 to 26.5 GHz typical;
 <1.5:1 typical to 40 GHz
- Insulation Resistance: 5,000 megaohms min.
- Center Conductor Contact Resistance: 6.0 milliohms max.
- DWV @ Sea Level: 500 Vrms
- Corona Level @ 70,000': 190 Vrms
- RF High Pot. @ 5 MHz: 325 Vrms
- Force to Engage:* 9.0 lbs. typical Full Detent, 7.0 lbs. typical Limited Detent, 2.0 lbs. typical Smooth Bore
- Force to Disengage:* 7.0 lbs. typical Full Detent, 5.0 lbs. typical Limited Detent, 0.5 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)

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Microwave Products

NOTES:

1. Performance listed is

typical. Individual part configuration may vary.

and specifications by part number.

* Engage/Disengage forces are not typical when mated

with ASTM-F15 shrouds.

Contact our Customer Care Team for more information

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Product Examples

A007-L43-01-TAB-R



A014-B11-01



A001-A23-07



A015-B11-01

