

GPPO Female Blindmate Interconnect

0.327 Length

CORNING



Part Number: B1B1-0001-03

Specifications

General Specifications	
Category	Interconnect
Impedance	50 Ω
Frequency Range	DC to 65 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	
Installation	-65 °C to 165 °C

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Design - Hardware

Length	0.327 in
Width	0.108 in
Diameter A	0.091 in
Diameter B	0.091 in

Mechanical Characteristics

Mate / Demate Cycles FD	100 min
Mate / Demate Cycles SB	500 min
Force to Engage / Disengage FD	4.5lbs.typ./6.5lbs.typ.
Force to Engage / Disengage SB	2.5lbs.typ./1.5lbs.typ.
Tolerated Misalignment Axial	0.010 (flush to 0.010 from reference plane)
Tolerated Misalignment Radial	+ / - 0.010

Electrical characteristics (at 20°C)

Insertion Loss	0.04 vf GHz
DWV at Sea Level	325 Vrms voltage
Insulation Resistance	≥ 5000 MΩ DC
Contact Resistance - Outer Conductor	< 2 mΩ
Contact Resistance - Inner Conductor	< 6 mΩ
VSWR	1.15:1 to 18 GHz, 1.25:1 to 40 GHz, 1.35:1 to 65 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	B1B1-0001-03
Product Description	GPPO Female Blindmate Interconnect, 0.327 Length
EAN Code	4056418765228

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Notes



**Corning Optical Communications RF LLC (Corning Gilbert) • 5310 W. Camelback Rd. • Glendale, AZ 85301 USA
800-528-5567 • FAX: 800-344-6358 • International: +1-623-245-1050 • www.corning.com/opcomm**

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Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-528-5567 • FAX: 800-344-6358 • International: +1-828-901-5000 • www.corning.com/opcomm

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