

# GPPO Male Cable Connector

Catchers Mitt R/A Float Mount to 0.086 S/R Cable, 0.705 Non-float Length

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## Specifications

General Specifications	
Category	Cable Connectors
Impedance	50 $\Omega$
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	0.705 in
Width	0.470 in
Diameter A	0.147 in
Diameter B	0.144 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

## 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

## Ordering Information

Part Number	B019-K36-03
Product Description	GPPO Male Cable Connector, Catchers Mitt R/A Float Mount to 0.086 S/R Cable, 0.705 Non-float Length
EAN Code	4056418767598

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## Notes



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