

GPPO Male Surface Mount

Coplanar, Full Detent, 0.108 Length

CORNING



Part Number: B012-P93-02

Specifications

General Specifications	
Category	Surface Mounts
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

Dentent Type	FD
Length	0.108 in
Width	0.165 in
Leg Length	0.075 in
Diameter B	0.02 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	1.20:1 to 20 GHz

Environmental Influences

Thermal Shock	
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

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Ordering Information

Part Number	B012-P93-02
Product Description	GPPO Male Surface Mount, Coplanar, Full Detent, 0.108 Length
EAN Code	4056418767819



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