GPO Male Cable Connector Flange Mount to 0.086 S/R Cable Full Dentent, Smooth Bore, 0.400 Long, 0.073 Hole Dia.

Part Number:
A001-D85-02

Features and Benefits

Designed to accommodate both radial and axial misalignment with negligible voltage standing wave radio (VSWR) change

Meets all MIL-STD Performance specifications

Center-to-center spacing of 0.170-in available for increased package density

Frequency from DC to 40 GHz

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Specifications

General Specifications	
Finish, Contacts	Gold plated per MIL-G-45204, Type I, Grade C, Class 1, Over Nickel Plate per SAE AMS-QQ-N-290
Materials, Outer Contacts	Beryllium Copper per ASTM B196 and or/ASTM B197
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
Materials, Center Contacts	Beryllium Copper per ASTM B196 and or/ASTM B197
Impedance	50 Ω
Materials, Insulators	PTFE Fluorocarbon per ASTM D1710
Frequency Range	DC to 40 GHz typ.
Materials, Bodies	Beryllium Copper per ASTM B196 and or/ASTM B197
Product Type	Connectors

Design	
Leg Length	0.4 in
Diameter A	10.16 mm (0.4 in)
Diameter B	1.194 mm (0.05 in)

Mechanical Specifications	
Tolerated Misalignment Axial	0.010 (flush to 0.010 from reference plane)
Tolerated Misalignment Radial	± 0.010
Force to Engage / Disengage LD	5.0 lbs. typical / 7.0 lbs. typical
Typical Force to Engage / Disengage FD	7 lbs / 9 lbs
Typical Force to Engage / Disengage SB	3 lbs / 0.5 lbs

Electrical Specifications	
VSWR	1.35:1 to 26.5 GHz

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Electrical Specifications	
Insertion Loss-S	.04 √f (GHz)
Contact Resistance - Inner Conductor	6 mΩ
Contact Resistance - Outer Conductor	2 mΩ
Insulation Resistance	5,000 megohms minimum
DWV at Sea Level	500 Vrms
RF Leakage	-80 dB to 3 GHz, -65 dB to 26.5 GHz

RoHS COMPLIANT

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