

GPPO Female Cable Connectors Snap-in to 0.086 S/R Cable, 0.532 Length

CORNING

Part Number:
0118-958-4

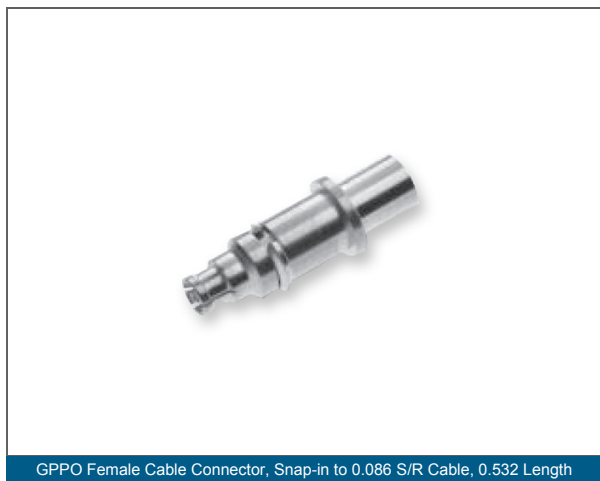
Features and Benefits

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

Meets all MIL-STD Performance specifications

Center-to-center spacing of 0.140-in available for increased package density

Frequency from DC to 65 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 65 GHz typ.
Materials, Bodies	Beryllium Copper per ASTM B196 and or/ASTM B197
Product Type	Connectors

Design	
Diameter A	2.311 mm (0.09 in)

Mechanical Specifications	
Typical Force to Engage / Disengage FD	4.5 lbs / 6.5 lbs
Typical Force to Engage / Disengage SB	2.5 lbs / 1.5 lbs
Mate / Demate Cycles	100
Tolerated Misalignment Axial	0.010 (flush to 0.010 from reference plane)
Tolerated Misalignment Radial	± 0.010
Force to Engage / Disengage LD	4.5 lbs. typical / 6.5 lbs. typical

Electrical Specifications	
VSWR	1.15:1 to 18 GHz / 1.50:1 to 40 GHz
Insertion Loss	0.4 \sqrt{f} (GHz)

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Electrical Specifications	
Contact Resistance - Inner Conductor	6 mΩ
Contact Resistance - Outer Conductor	2 mΩ
Insulation Resistance	5,000 megohms minimum
DWV at Sea Level	325 Vrms
RF Leakage	-80 dB to 3 GHz, -65 dB to 26.5 GHz



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