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1.85mm Connectors (DC-65GHz)

Product Application

Aaren Technology 1.85mm connectors are 50Ω precision connectors. They are designed with excellent characteristics over the full frequency range up to 65GHz. 1.85mm connectors are mechanically compatible with 2.4mm connectors.

Specifications

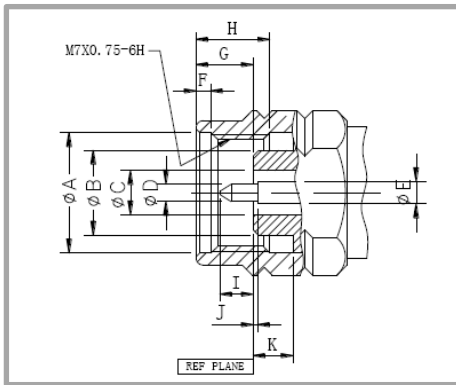
- Impedance: 50Ω
- Frequency: DC-65GHz
- VSWR: 1.25:1 (max) (DC-65GHz)
- Dielectric Withstanding Voltage: 500V
- Durability: 500 Cycles
- Temperature Range: -55°C ~ +165°C

Material/Finishing

- Housing: Stainless Steel SU303 (Polished/Passivated)
- Centre Contact: Beryllium Copper, Gold Plated (MIL-G-45204)
- Insulators: PEI & PTFE

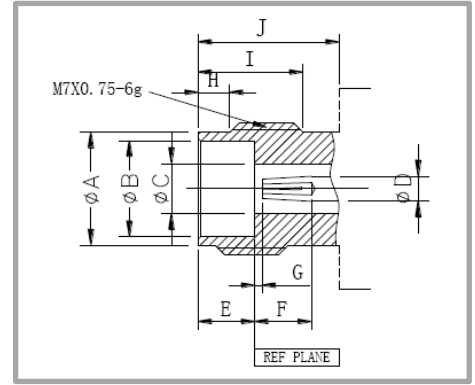
Interface Dimensions

Interface 1.85mm Per IEEE IEC-61169



1.85mm Male

	mm		Inch	
	Min	Max	Min	Max
A	7.01	7.11	0.276	0.280
B	4.72	4.75	0.186	0.187
C	1.84	1.86	0.0723 3	0.0733 3
D	0.50	0.52	0.0196	0.0206
E	0.79	0.82	0.0311	0.0321
F	0.51	0.76	0.020	0.030
G	1.85	2.45	0.073	0.096
H	4.37	4.62	0.172	0.182
I	1.35	1.45	0.053	0.057
J	-	0.08	-	0.003
K	3.38	3.48	0.133	0.137



1.85mm Female

	mm		Inch	
	Min	Max	Min	Max
A	5.79	5.89	0.228	0.232
B	4.77	4.80	0.1878	0.1888
C	1.84	1.86	0.0723 3	0.0733 3
D	0.79	0.82	0.0311	0.0321
E	3.00	3.10	0.118	0.122
F	2.64	-	0.104	-
G	-	0.08	-	0.003
H	1.37	1.63	0.054	0.064
I	4.80	5.05	0.189	0.199
J	6	-	0.236	-