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2.4mm Connectors (DC-50GHz)

Product Application

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

Specifications

Impedance: 50Ω

Frequency: DC-50GHz

VSWR: 1.15:1 (max) (DC-40GHz)

Dielectric Withstanding Voltage: 750V

Durability: 500 Cycles

Temperature Range: -55°C ~ +165°C

Material/Finishing

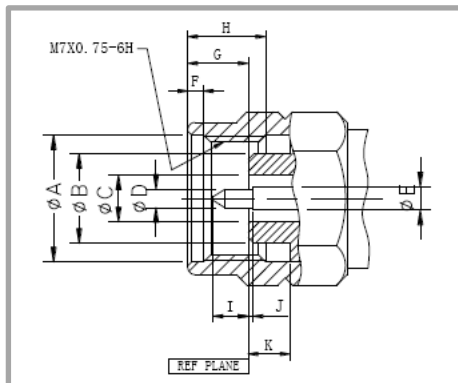
Housing: Stainless Steel SU303 (Polished/Passivated)

Centre Contact: Beryllium Copper, Gold Plated (MIL-G-45204)

Insulators: PEI & PTFE

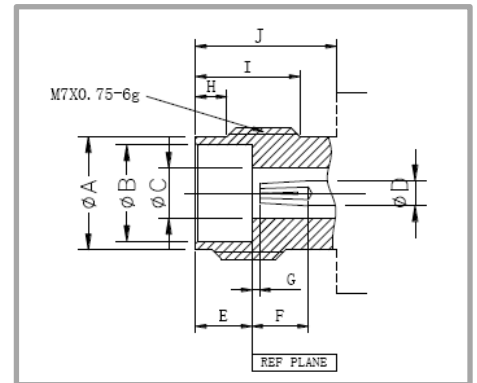
Interface 2.4mm Per IEEE STD 287-2007

Interface Dimensions



2.4mm 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	2.39	2.41	0.094	0.095
D	0.50	0.52	0.0196	0.0206
E	1.03	1.05	0.0405	0.0415
F	0.51	0.76	0.020	0.030
G	1.85	2.67	0.073	0.105
H	4.37	4.65	0.172	0.183
I	1.35	1.45	0.053	0.057
J	-	0.08	-	0.003
K	3.40	3.51	0.134	0.138



2.4mm 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	2.39	2.41	0.094	0.095
D	1.03	1.05	0.0406	0.0414
E	3.00	3.10	0.118	0.122
F	2.65	--	0.1043	--
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	--	0.2362	--