

Your No. 1 European Source for RF & Microwave Components

## 2.92mm Connectors (DC-40GHz)

### Product Application

Aaren Technology 2.92mm connectors are 50Ω precision connectors. They are designed with excellent characteristics over the full frequency range up to 40GHz. 2.92mm connectors are mechanically compatible with 3.5mm, SMA connectors.

### Specifications

Impedance: 50Ω

Frequency: DC-40GHz

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

Dielectric Withstanding Voltage: 750V

Durability: 500 Cycles

Temperature Range: -55°C ~ +165°C

### Material/Finishing

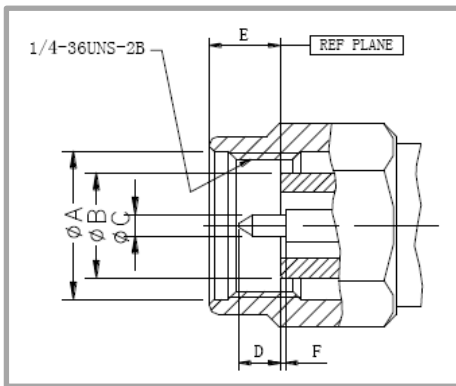
Housing: Stainless Steel SU303 (Polished/Passivated)

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

Insulators: PEI & PTFE

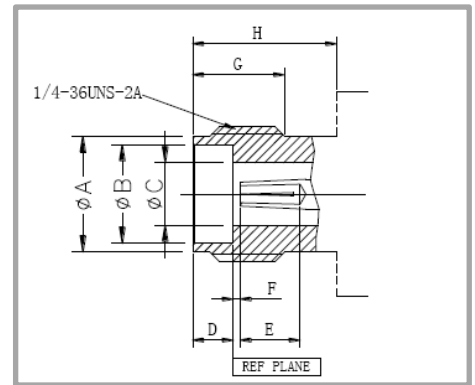
**Interface** 2.92mm Per MIL-STD-348A

### Interface Dimensions



**2.92mm Male**

	mm		Inch	
	Min	Max	Min	Max
A	6.48	-	0.255	-
B	4.52	4.57	0.178	0.180
C	0.90	0.94	0.0355	0.0370
D	1.40	1.65	0.055	0.065
E	-	3.43	-	0.135
F	0.00	0.13	0.000	0.005



**2.92mm Female**

	mm		Inch	
	Min	Max	Min	Max
A	5.23	5.44	0.206	0.214
B	4.60	4.65	0.181	0.183
C	2.90	2.95	0.114	0.116
D	1.88	1.98	0.074	0.078
E	2.67	-	0.105	-
F	0.00	0.13	0.000	0.005
G	4.32	-	0.170	-
H	5.54	-	0.218	-