



\* Label and Shrinking tube design depend on customer's request.

## Configuration

Connector 1 Type	2.4mm Female
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	2.4mm Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	142A Series

## Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 40 GHz
Return Loss/VSWR	1.44 to 40 GHz
Phase Stability vs. Flexure	2° @ 10GHz ,3° @ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	70watt @ 40GHz at sea level,VSWR1.0

## Environmental Data

Temperature Range	-40°C to +80°C
2002/95/EC(RoHS)	Compliant

### Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Low Density PTFE
Jacket	FEP
Capacitance(pF/m)	80.38
Velocity of propagation(%)	83
Min. bending radius(mm)	9.65
Jacket Diameter(mm)	3.61±0.13

### Armor Specifications

Armor Type	Polyurethane Jacket Over Braid Stainless Steel Spiral
Min. bending radius(mm)	25.4
Diameter(mm)	10.8

### Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		6GHz	10GHz	18GHz	26.5GHz
GAA1-24F24F-10000A1	10000±50	11.04	14.98	18.4	22.8
GAA1-24F24F-8000A1	8000±30	8.89	12.06	14.76	18.4
GAA1-24F24F-3000A1	3000±30	3.51	4.76	5.83	7.3
GAA1-24F24F-2000A1	2000±20	2.45	3.40	4.04	5.1
GAA1-24F24F-1500A1	1500±15	1.89	2.57	3.15	3.9
GAA1-24F24F-1200A1	1200±12	1.58	2.14	2.61	3.3
GAA1-24F24F-1000A1	1000±10	1.36	1.85	2.25	2.8
GAA1-24F24F-600A1	600±10	0.93	1.26	1.55	1.91
GAA1-24F24F-550A1	550±10	0.89	1.19	1.46	1.81
GAA1-24F24F-500A1	500±10	0.85	1.12	1.36	1.70
GAA1-24F24F-250A1	250±10	0.553	0.747	0.91	1.125
GAA1-24F24F-200A1	200±10	0.51	0.68	0.83	1.02

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.