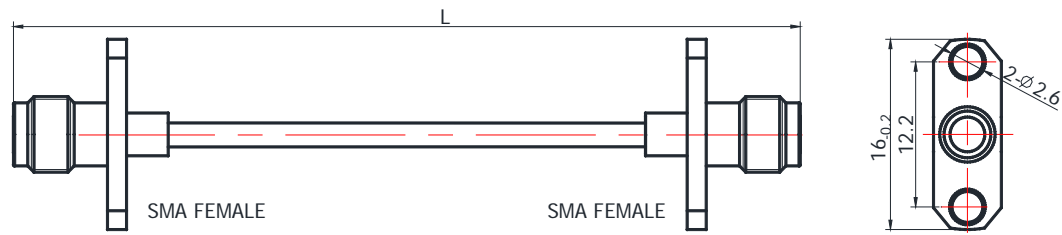


HFE100D, FLEXIBLE CABLE ,
SMA(FEMALE)-SMA(FEMALE)

GAF71-SMFF1SMFF1-XXX



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

Configuration

Connector 1 Type	SMA Female
Connector 1 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 1 Mount Method	2 Hole Flange
Connector 2 Type	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	2 Hole Flange
Cable Type	HFE100D

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 18 GHz
Return Loss/VSWR	1.35 to 18 GHz
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	89Watt @ 1GHz at Sea Level, VSWR1.0

Environmental Data

Temperature Range	-45°C to +125°C
RoHS	Compliant

HFE100D, FLEXIBLE CABLE ,
SMA(FEMALE)-SMA(FEMALE)**GAF71-SMFF1SMFF1-XXX**

Cable Specifications

Center Conductor	SPCW
Dielectric	Solid PTFE
Jaket	FEP
Capacitance(pF/m)	95.5
Velocity of propagation(%)	71
Min. bending radius(mm)	6.35
Jacket Diameter(mm)	2.54
Weight(kg/100m)	2.13

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	5GHz	10GHz	18GHz
GAF71-SMFF1SMFF1-1000	1000±10	1.33	1.92	2.71	3.65
GAF71-SMFF1SMFF1-500	500±10	0.785	0.95	1.42	2.15
GAF71-SMFF1SMFF1-300	300±10	0.53	0.65	0.96	1.49
GAF71-SMFF1SMFF1-200	200±5	0.404	0.51	0.74	1.16
GAF71-SMFF1SMFF1-100	100±5	0.27	0.35	0.52	0.83

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.