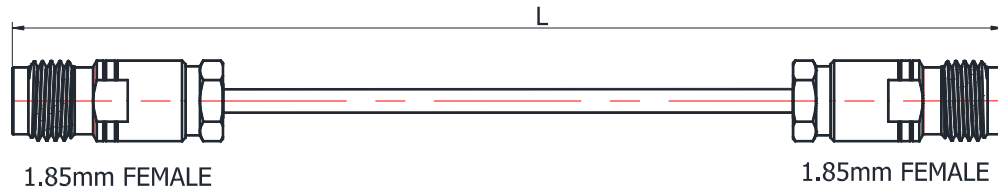


HFE100D, FLEXIBLE CABLE,
1.85MM(FEMALE)- 1.85MM(FEMALE)

GAF71-185F185F-XXX



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

Configuration

Connector 1 Type	1.85mm Female
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	1.85mm Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	HFE100D

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 67 GHz
Return Loss/VSWR	1.50 to 67 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
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	-40°C to +125°C
RoHS	Compliant

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 \leq (dB)			
		5GHz	10GHz	20GHz	40GHz
GAF71-185F185F-1000	1000 \pm 10	1.7	2.5	3.8	6.9
GAF71-185F185F-800	800 \pm 8	1.4	2.06	3.14	5.66
GAF71-185F185F-600	600 \pm 6	1.09	1.64	2.48	4.32
GAF71-185F185F-500	500 \pm 5	0.95	1.42	2.15	3.82
GAF71-185F185F-300	300 \pm 5	0.65	0.96	1.49	2.56
GAF71-185F185F-260	260 \pm 5	0.59	0.87	1.35	2.31
GAF71-185F185F-200	200 \pm 5	0.51	0.74	1.16	1.94
GAF71-185F185F-100	100 \pm 5	0.35	0.52	0.83	1.32

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