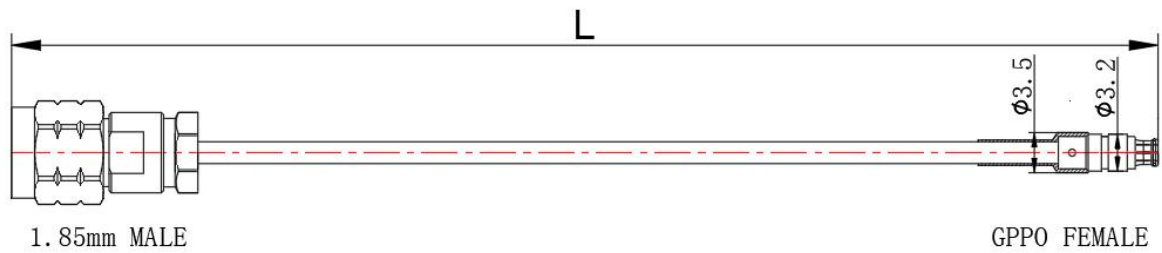


HFE100D, FLEXIBLE CABLE,
1.85MM(MALE)- GPPO(MINI-SMP)(FEMALE)

GAF71-185MGPPF-XXX



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

Configuration

Connector 1 Type	1.85mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 1 Mount Method	None
Connector 2 Type	GPPO(Mini-SMP) Female
Connector 2 Body Style	Straight
Body Material and Plating	CuBe Gold Plated
Connector 2 Mount Method	None
Cable Type	HFE100D

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 65 GHz
Return Loss/VSWR	13 dB to 65 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	-40°C to +165°C
2011/65/EU(RoHS)	Compliant

Cable Specifications

Center Conductor	SPCW
Dielectric	Solid PTFE
Jacket	FEP
Capacitance(pF/m)	96.5
Velocity of propagation(%)	70
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.64
Weight(kg/100m)	1.91

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		18GHz	40GHz	50GHz	65GHz
GAF71-185MGPPF-1000	1000±10	3.65	6.92	7.73	8.81
GAF71-185MGPPF-500	500±5	2.15	3.82	4.29	4.89
GAF71-185MGPPF-300	300±3	1.49	2.56	2.91	3.32
GAF71-185MGPPF-200	200±3	1.16	1.94	2.22	2.53
GAF71-185MGPPF-100	100±3	0.83	1.32	1.53	1.75

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