

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

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

Configuration	
Connector 1 Type	SMA Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Stainless Steel
Connector 1 Mount Method	None
Connector 2 Type	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	HFE100D
Electrical Specifications	
Impedance	50 Ω
Frequency	DC to 26.5 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

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)			
		3GHz	5GHz	10GHz	18GHz
GAF71-SMMSMF-1000	1000 \pm 10	1.33	1.92	2.71	3.65
GAF71-SMMSMF-500	500 \pm 10	0.785	0.95	1.42	2.15
GAF71-SMMSMF-300	300 \pm 10	0.53	0.65	0.96	1.49
GAF71-SMMSMF-200	200 \pm 5	0.404	0.51	0.74	1.16
GAF71-SMMSMF-100	100 \pm 5	0.27	0.35	0.52	0.83

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