



* 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	None
Connector 2 Type	GPO(SMP) Female
Connector 2 Body Style	Right Angle
Body Material and Plating	CuBe Gold Plated
Connector 2 Mount Method	None
Cable Type	HFE100D

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return Loss/VSWR	14dB to 18 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)			
		3GHz	5GHz	10GHz	18GHz
GAF71-SMFGPWF-1000	1000 \pm 10	1.4	1.7	2.5	3.8
GAF71-SMFGPWF-800	800 \pm 8	1.16	1.4	2.06	3.14
GAF71-SMFGPWF-500	500 \pm 5	0.785	0.95	1.42	2.15
GAF71-SMFGPWF-300	300 \pm 5	0.53	0.65	0.96	1.49
GAF71-SMFGPWF-260	260 \pm 5	0.48	0.59	0.87	1.35
GAF71-SMFGPWF-200	200 \pm 5	0.404	0.51	0.74	1.16
GAF71-SMFGPWF-100	100 \pm 5	0.27	0.35	0.52	0.83

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