

HFE100D, FLEXIBLE CABLE,
2.92MM(MALE)- GPPO(MINI-SMP)(FEMALE)

GAF71-292MGPPF-XXX



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

Configuration

Connector 1 Type	2.92mm 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 40GHz
Return Loss/VSWR	14dB to 40 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

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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	10GHz	18GHz	40G
GAF71-292MGPPF-1000	1000±10	1.33	2.71	3.65	6.92
GAF71-292MGPPF-500	500±10	0.785	1.42	2.15	3.82
GAF71-292MGPPF-300	300±10	0.53	0.96	1.49	2.56
GAF71-292MGPPF-200	200±5	0.404	0.74	1.16	1.94
GAF71-292MGPPF-100	100±5	0.27	0.52	0.83	1.32

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