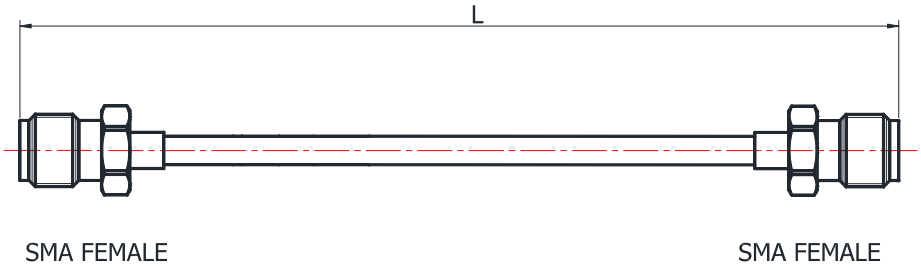
CABLE ASSEMBLY DATASHEET	Gwave
3506 SERIES, FLEXIBLE CABLE, SMA(FEMALE)- SMA(FEMALE)	**GAU2-SMFSMF-XXX**



* 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	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	3506 Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return Loss/VSWR	1.35 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	90att @ 2GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +165°C
RoHS	Compliant

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Cable Specifications

Center Conductor	Silver plated copper
Dielectric	ePTFE
Jacket	FEP
Capacitance(pF/m)	94
Velocity of propagation(%)	82
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.2

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	5GHz	10GHz	18GHz
GAU2-SMFSMF-10000	10000±50	13.2	16.5	24.5	29.8
GAU2-SMFSMF-1000	1000±10	1.4	1.7	2.5	3.35
GAU2-SMFSMF-800	800±8	1.16	1.4	2.06	2.83
GAU2-SMFSMF-500	500±5	0.785	0.95	1.42	1.94
GAU2-SMFSMF-300	300±5	0.53	0.65	0.96	1.36
GAU2-SMFSMF-260	260±5	0.48	0.59	0.87	1.22
GAU2-SMFSMF-200	200±5	0.404	0.51	0.74	1.06
GAU2-SMFSMF-100	100±5	0.27	0.35	0.52	0.75

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