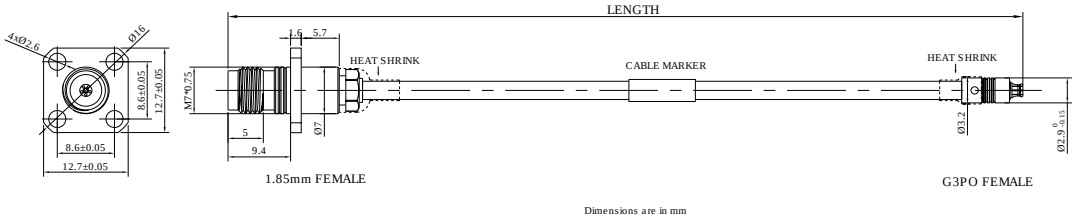
Flexi RF
Reliable RF Components In Stock

Datasheet

1.85mm Female with 4 Hole Flange to G3PO (SMPS) Female Cable Using .086" Semi-flexible Coax with FEP Jacket, DC - 67GHz

P/N: FR712-185FFG3PF-XXX



Product Configuration

Connector 1 Series	1.85mm
Connector 1 Polarity	Standard
Connector 1 Gender	Female
Connector 1 Impedance (Ohm)	50
Connector 1 Mount Method	4 Hole Flange
Connector 1 Body Style	Straight
Connector 2 Series	G3PO(SMPS)
Connector 2 Polarity	Standard
Connector 2 Gender	Female
Connector 2 Impedance (Ohm)	50
Connector 2 Mount Method	None
Connector 2 Body Style	Straight
Coax Cable	UT-085-Form-FEP

Mechanical Data

Connector 1 Body Material	Stainless Steel
Connector 1 Body Plating	Passivated
Connector 2 Body Material	Beryllium Copper
Connector 2 Body Plating	Gold
Out Diameter	2.54mm
Min. Bending Radius	6mm
Mating Cycles, Min	≥500

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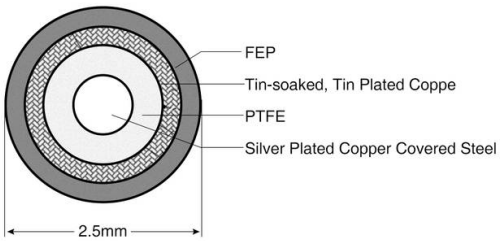
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40 ºC to +80 ºC
MIL/STD	N/A

Cable Specifications

Description	Parameter
Center Conductor	Silver Plated Copper Covered Steel
Dielectric	PTFE
Outer Conductor	Tin-soaked, Tin Plated Coppe
Jacket	FEP
Jacket Diameter(mm)	2.5
Capacitance(pF/m)	94
Velocity of propagation(%)	71
Min. bending radius(mm)	6
Shielding Effectiveness	> 100dB @ 1GHz



Part Number List

Part Number	Length(mm)	Frequency	Insertion Loss ≤ (dB)				VSWR
			5GHz	10GHz	20GHz	40GHz	
FR712-185FFG3PF-1000	1000±10	DC-67GHz	1.7	2.5	3.8	6.9	1.5 to 67GHz
FR712-185FFG3PF-800	800±5	DC-67GHz	1.4	2.06	3.14	5.66	1.5 to 67GHz
FR712-185FFG3PF-600	600±5	DC-67GHz	1.09	1.64	2.48	4.32	1.5 to 67GHz
FR712-185FFG3PF-500	500±3	DC-67GHz	0.95	1.42	2.15	3.82	1.5 to 67GHz
FR712-185FFG3PF-300	300±3	DC-67GHz	0.65	0.96	1.49	2.56	1.5 to 67GHz
FR712-185FFG3PF-260	260±3	DC-67GHz	0.59	0.87	1.35	2.31	1.5 to 67GHz
FR712-185FFG3PF-200	200±3	DC-67GHz	0.51	0.74	1.16	1.94	1.5 to 67GHz
FR712-185FFG3PF-100	100±3	DC-67GHz	0.35	0.52	0.83	1.32	1.5 to 67GHz

Note：Phase Mathching is available by request.