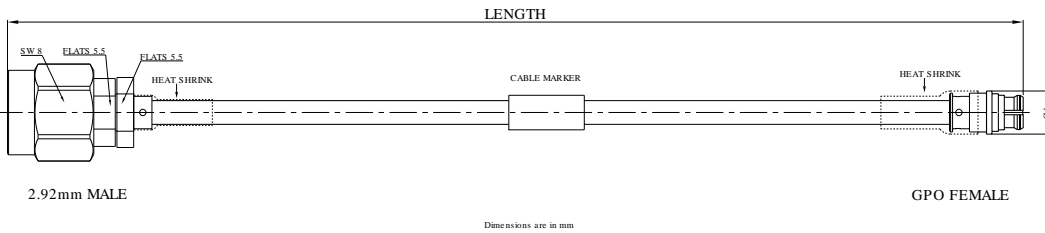


2.92mm Male to GPO (SMP) Female Cable Using .086" Semi-flexible Coax with FEP Jacket, DC - 40GHz

P/N: FR712-292MGPF-XXX



Product Configuration

Connector 1 Series	2.92mm
Connector 1 Polarity	Standard
Connector 1 Gender	Male
Connector 1 Impedance (Ohm)	50
Connector 1 Mount Method	None
Connector 1 Body Style	Straight
Connector 2 Series	GPO(SMP)
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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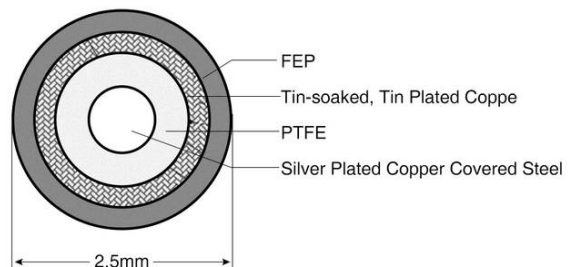
P/N: FR712-292MGPF-XXX

Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-40 °C to +80 °C
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
			3GHz	10GHz	18GHz	40GHz	
FR712-292MGPF-1000	1000±10	DC-40GHz	1.33	2.71	3.65	6.92	≤ 10dB to 40GHz
FR712-292MGPF-500	500±5	DC-40GHz	0.785	1.42	2.15	3.82	≤ 10dB to 40GHz
FR712-292MGPF-300	300±3	DC-40GHz	0.53	0.96	1.49	2.56	≤ 10dB to 40GHz
FR712-292MGPF-200	200±3	DC-40GHz	0.404	0.74	1.16	1.94	≤ 10dB to 40GHz
FR712-292MGPF-100	100±3	DC-40GHz	0.27	0.52	0.83	1.32	≤ 10dB to 40GHz

Note: Phase Matching is available by request.