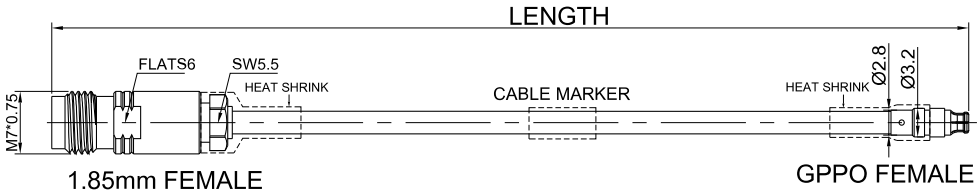
Gwave
Fast Delivery RF Parts.

Datasheet

P/N: GAF71-185FGPPF-XXX

1.85mm Female to GPPO(Mini-SMP) Female Cable Assembly | RG-405SS Flexible Coax Cable | DC - 65GHz



Dimensions are in mm

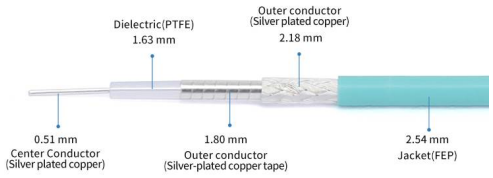


Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.85mm	GPPO(Mini-SMP)
Connector Polarity	Standard	Standard
Connector Gender	Female	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Beryllium Copper
Connector Body Plating	Passivated	Gold

Cable Configuration

Cable Type	RG-405SS
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver Plated Copper Wire
Dielectric Material	PTFE
Number of Shields	2
Shield Layer 1 Material	Silver Plated Copper Tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Diameter (mm)	2.64
Cable Color	Turquoise
Minimum Bend Radius (mm)	6
Capacitance (pF/m)	96.5
Velocity of Propagation	70%
Shielding Effectiveness	< -100dB @ 1GHz



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Electrical Data

Electrical Specifications for Different Length

Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
100	±3	DC - 65GHz	12dB to 65GHz	1.70 to 65GHz
200	±3			2.70 to 65GHz
300	±5			3.70 to 65GHz
400	±5			4.70 to 65GHz
500	±5			5.70 to 65GHz
600	±5			6.70 to 65GHz
800	±10			7.70 to 65GHz
1000	±10			9.70 to 65GHz
1500	±15			14.70 to 65GHz
2000	±20			19.70 to 65GHz

Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45°C to +125°C