

1.85 mm/1 mm DC - 67 GHz, Coaxial Adapters, Between-Series

DESCRIPTION

"KPC185F100F, KPC185F100M, KPC185M100F, and KPC185M100M"

coaxial adapters between 1.85 mm and 1.00 mm are small size, low SWR, and low loss.

They are designed for broadband measurement, instrument, and system applications.

SPECIFICATIONS

Electrical:

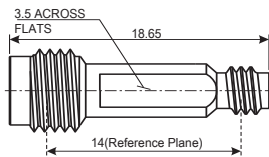
Frequency Range	DC - 67 GHz
SWR	< 1.4 ⁽¹⁾
Insertion Loss	0.8 dB (typ.) ⁽¹⁾
Electrical Length	14.6 mm (Nominal)
Temperature Range	-55 to +125 °C

Mechanical:

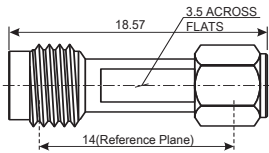
Body and Outer Conductor	Gold Plated Stainless Steel		
Inner Conductor	Gold Plated Beryllium Copper and Brass		
Coupling Torque	<table border="0"> <tr> <td>90 N-cm for KPC185 (Nominal)</td> </tr> <tr> <td>45 N-cm for KPC100 (Nominal)</td> </tr> </table>	90 N-cm for KPC185 (Nominal)	45 N-cm for KPC100 (Nominal)
90 N-cm for KPC185 (Nominal)			
45 N-cm for KPC100 (Nominal)			
Connect/Disconnect Life	> 500 Cycles (Estimate)		



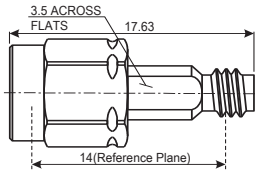
TYPE: KPC185F100F
1.85 mm Female/1 mm Female



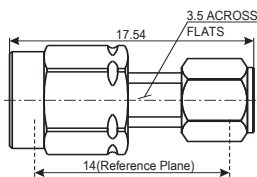
TYPE: KPC185F100M
1.85 mm Female/1 mm Male



TYPE: KPC185M100F
1.85 mm Male/1 mm Female



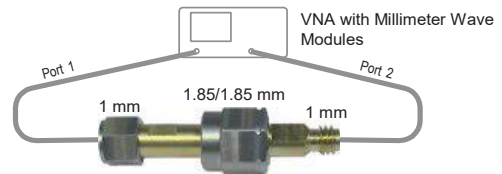
TYPE: KPC185M100M
1.85 mm Male/1 mm Male



RoHS Compliant

REACH Compliant

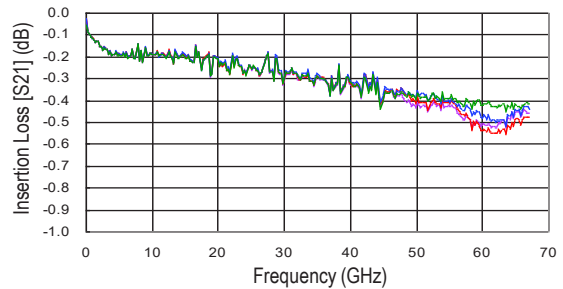
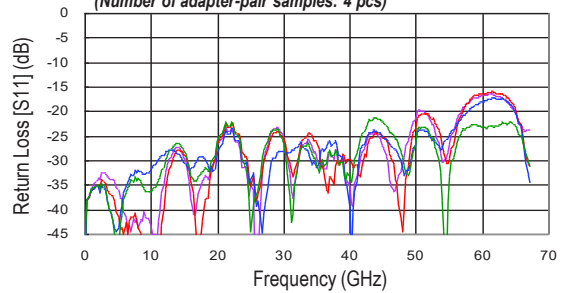
Performance Test Configuration



(Adapter Pair: Insertable-Device)

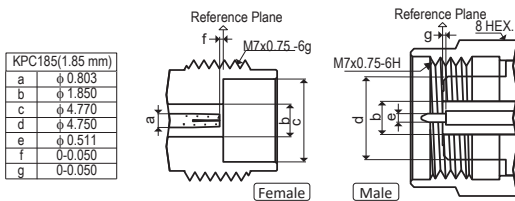
Typical Performance

(Number of adapter-pair samples: 4 pcs)

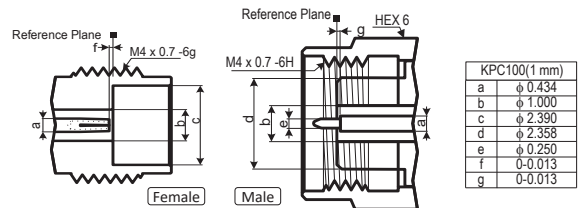


Interface Mating Dimensions

KPC185 (1.85 mm Connectors)



KPC100 (1 mm Connectors)



NOTE:

All dimensions are in millimeters.

(1) 1 mm ports were measured for the measurement of return and insertion loss of the adapters with 1.8 mm ports mated as an interface.