

1.85mm/1mm

DC - 67GHz, Coaxial Adapters, Between-Series

DESCRIPTION

The coaxial adapters between 1.85mm and 1.00mm that small size, low SWR and low loss, are designed for broadband measurement, instrument and system use.

SPECIFICATIONS:

Electrical:

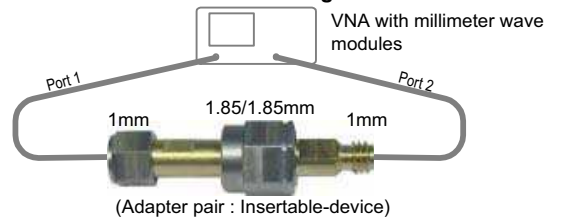
Frequency Range DC - 67 GHz
 Return Loss Better than 16dB ⁽¹⁾
 Insertion Loss <0.6 dB ⁽¹⁾
 Electrical Length 14.6 mm(Nominal)
 Temperature Range -55 to +125 °C

Mechanical:

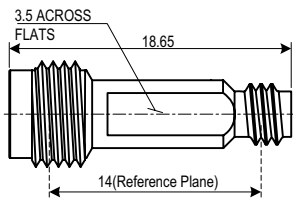
Body and Outer Conductors:
 -Gold Plated Stainless steel
 Inner Conductors:
 -Gold Plated Beryllium Copper and Brass
 Coupling Torque 90 N-cm for KPC185 (Nominal)
 45 N-cm for KPC100 (Nominal)
 Connect/Disconnect Life >500 Cycles [Predicted]



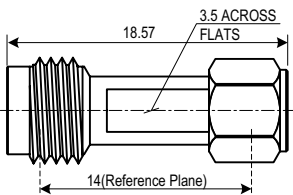
Performance test configuration



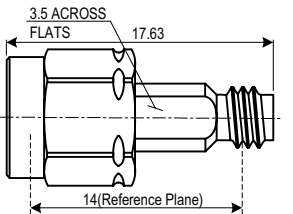
TYPE: KPC185F100F
1.85mm Female/1mm Female



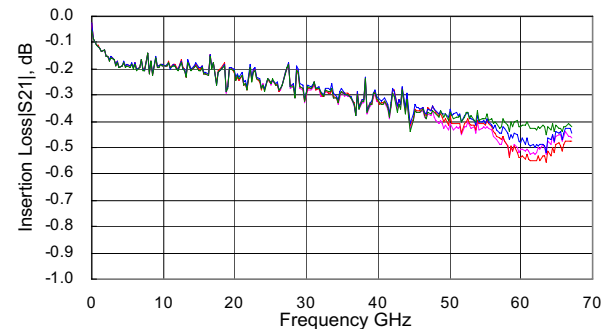
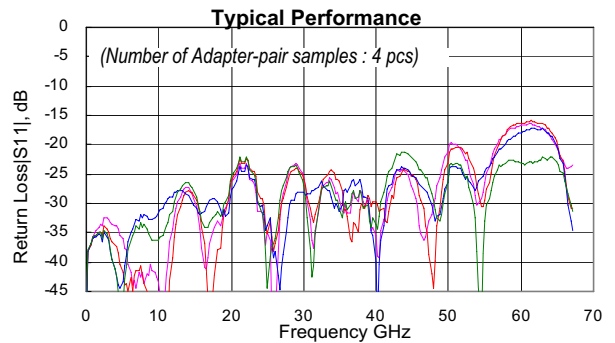
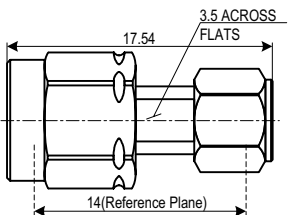
TYPE: KPC185F100M
1.85mm Female/1mm Male



TYPE: KPC185M100F
1.85mm Male/1mm Female



TYPE: KPC185M100M
1.85mm Male/1mm Male

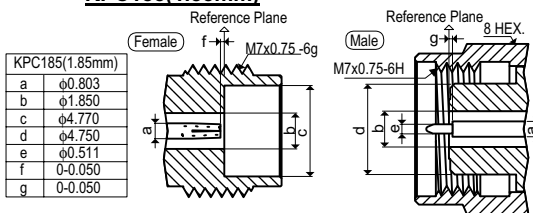


Note:

All dimensions are in Millimeters.

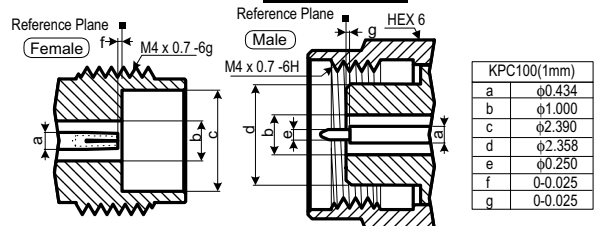
- (1) As for the return loss and insertion loss of the adapters, 1.8mm ports are mated and 1mm ports are measured as an interface.

KPC185(1.85mm)



Interface Mating Dimensions

KPC100(1mm)



Specifications Subject to Change Without Notice.

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185-100 Rev.02 Oct. 17 2006