

1mm/1mm

DC - 110GHz, Coaxial Adapters, In-Series

DESCRIPTION

These "KPC100MF,FF and MM" coaxial adapters that small size, low SWR and low loss, are designed for the ultra-broadband (up to sub-millimeter wave) measurement, instrument and system use.

SPECIFICATIONS:

Electrical:

Frequency Range DC - 110 GHz
 Return Loss Better than 18dB(*),15dB(**)
 Insertion Loss <0.45dB
 Electrical Length 11.6 mm [Nominal]
 Temperature Range -55 to +125 °C

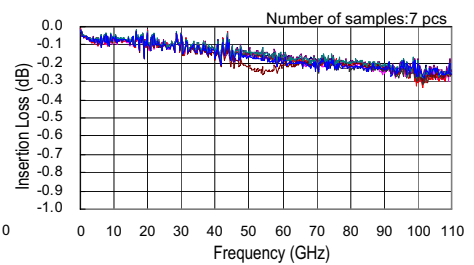
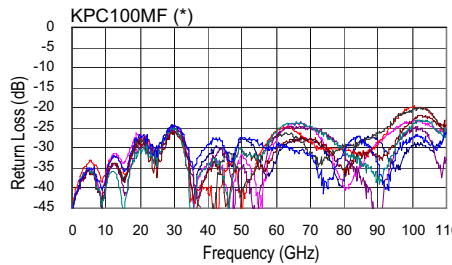
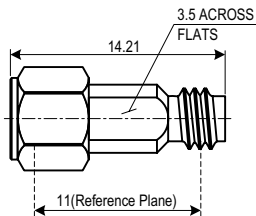
Mechanical:

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

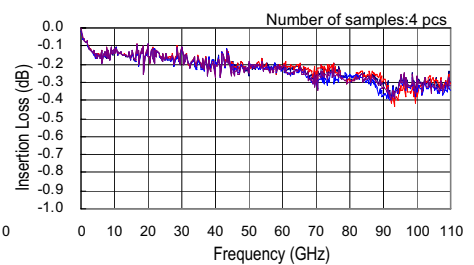
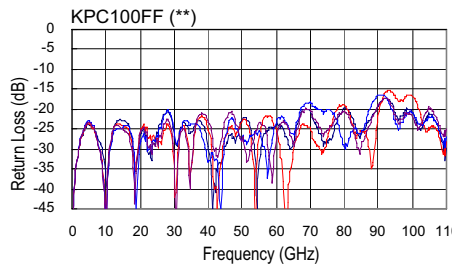
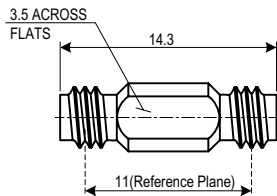


Typical Performance

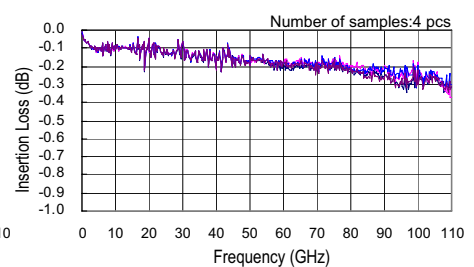
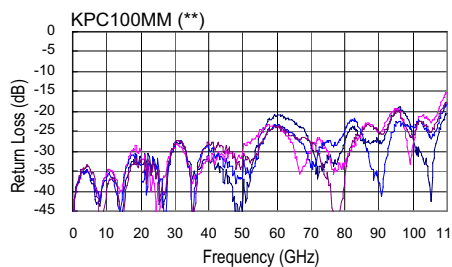
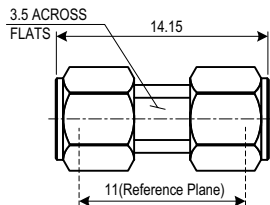
TYPE: KPC100MF 1mm Male/1mm Female



TYPE: KPC100FF 1mm Female/1mm Female



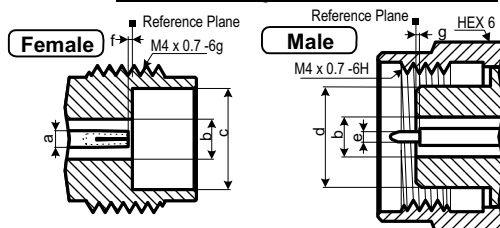
TYPE: KPC100MM 1mm Male/1mm Male



Note:

All dimensions are in Millimeters.
 (*) Calibration as *Insertable-Device*
 (**) Calibration as *Non-Insertable-Device*

Interface Mating Dimensions of KPC100



a	φ 0.434
b	φ 1.000
c	φ 2.390
d	φ 2.358
e	φ 0.250
f	0-0.025
g	0-0.025

Specifications Subject to Change Without Notice.

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