

# 1 mm/1 mm DC - 110 GHz, Coaxial Adapters, In-Series

## DESCRIPTION

### "KPC100MF, FF, and MM"

are small size, low SWR, and low loss coaxial adapters. They are designed for ultra-broadband (up to sub-millimeter wave) measurement, instrument, and system applications.

## SPECIFICATIONS

### Electrical:

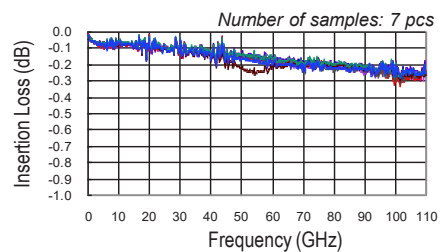
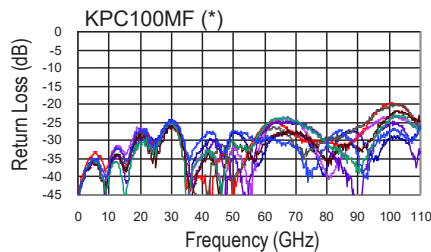
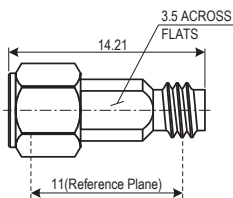
Frequency Range DC - 110 GHz  
 SWR < 1.3 (\*), < 1.5 (\*\*)  
 Insertion Loss 0.5 dB (typ.)  
 Electrical Length 11.6 mm (Nominal)  
 Temperature Range -55 to +125 °C

### Mechanical:

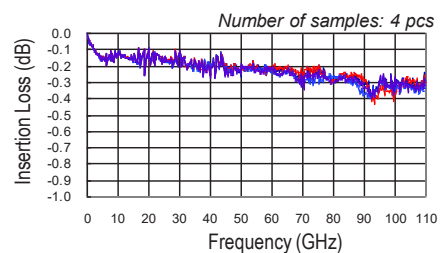
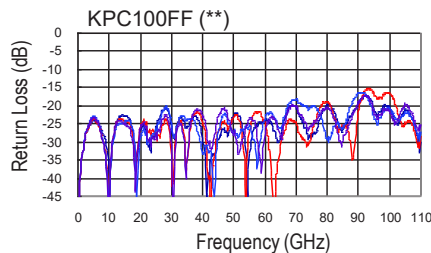
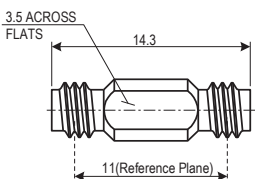
Body and Outer Conductor Gold Plated Stainless Steel  
 Inner Conductor Gold Plated Beryllium Copper and Brass  
 Coupling Torque 45 N-cm (Nominal)  
 Connect/Disconnect Life > 500 Cycles (Estimate)



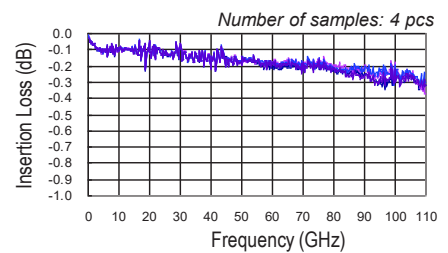
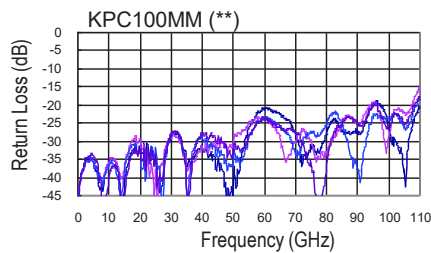
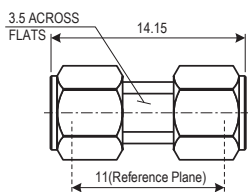
### TYPE: KPC100MF 1 mm Male/1 mm Female



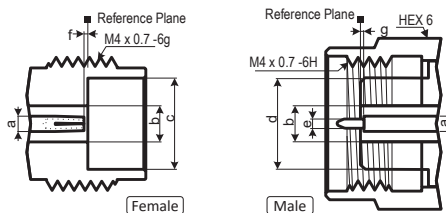
### TYPE: KPC100FF 1 mm Female/1 mm Female



### TYPE: KPC100MM 1 mm Male/1 mm Male



### Interface Mating Dimensions of KPC100 (1 mm Connectors)



KPC100(1 mm)	
a	φ 0.434
b	φ 1.000
c	φ 2.390
d	φ 2.358
e	φ 0.250
f	0-0.013
g	0-0.013

#### NOTE:

All dimensions are in millimeters.

(\*) Calibration as *insertable-device*

(\*\*) Calibration as *non-insertable-device*

RoHS Compliant

REACH Compliant

Specifications Subject to Change Without Notice

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**KMCO** Kawashima Manufacturing Co., Ltd.  
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