

2.92 mm/2.92 mm DC - 40 GHz, Hermetically Sealed, Coaxial Adapters

DESCRIPTION

"KPC292FFHA" is hermetically sealed 2.92 mm to 2.92 mm coaxial adapter that is;
 -Low SWR and low loss
 -Hermetic RF interface between vacuum and atmosphere environment
 -Small mounting space
 It is designed for broadband devices, instrument, and component testing applications.

SPECIFICATIONS

Electrical:

Frequency Range DC - 40 GHz
 SWR < 1.5
 Insertion Loss < 0.45 dB
 Electrical Length Below (Nominal)
 Temperature Range -55 to +125 °C

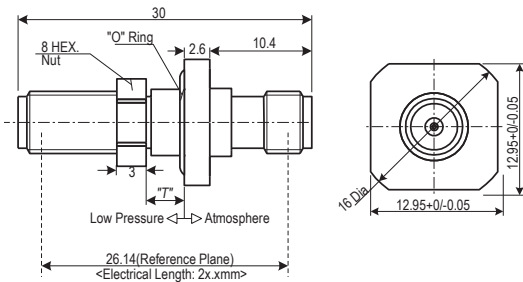
Mechanical:

Body and Outer Conductor Gold Plated Stainless Steel and Brass
 Inner Conductor Gold Plated Beryllium Copper
 Inner and Outer Conductor for Seal Gold Plated Fe/Ni/Co Alloy (KOVAR)
 Insulator for Seal #7070 Glass (Corning)
 Gasket for Flange Seal Fluoroelastomer "O" Ring
 Coupling Torque 90 N-cm (Nominal)
 Connect/Disconnect Life > 1,000 Cycles
 He Leak Rate (*) < 1×10^{-10} Pam³/sec (< 1×10^{-9} atm cc /sec)



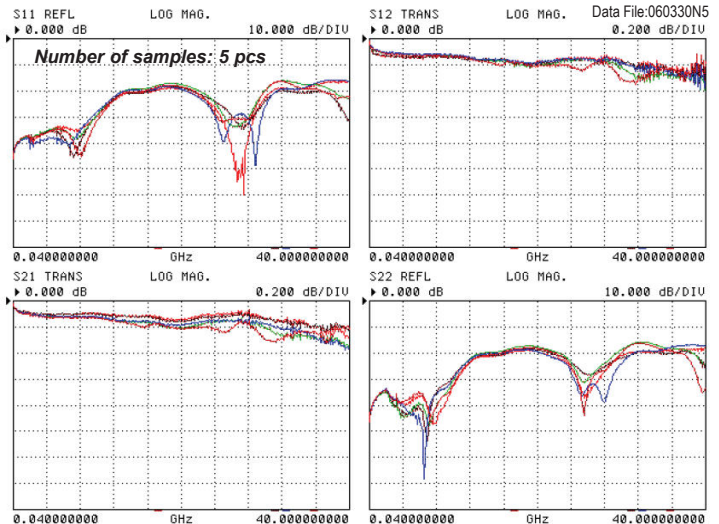
Production Status
 4 Weeks Lead-Time for Shipping

TYPE: KPC292FFHA 2.92 mm Female/2.92 mm Female

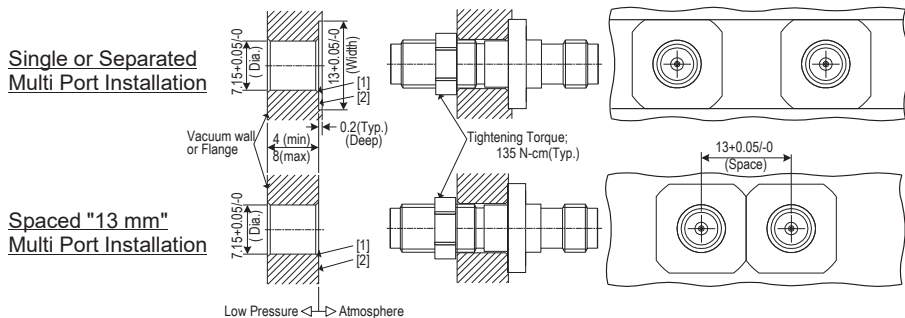


"T": Vacuum wall or flange thickness:
 4 mm (min) to 8 mm (max)

Typical Performance



Recommended Mounting Hole and Installation



Interface Mating Dimensions of KPC292 (2.92 mm Connectors) <*>

NOTE:

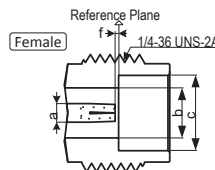
All dimensions are in millimeters.

[1] Chamfer: < 0.05 mm

[2] "Smooth surface" required

(*) As Per MIL-STD-883E, METHOD1014.10,

Test Condition A4



KPC292(2.92 mm)	
a	φ 1.270
b	φ 2.920
c	φ 4.640
d	-----
e	-----
f	0-0.050
g	-----

<*> Matable with 3.5 mm and SMA

RoHS Compliant

REACH Compliant

Specifications Subject to Change Without Notice

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ISO9001:14001 Certified

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