

2.92mm

# DC - 40GHz, Sparkplug Launcher Connectors & Glass Bead

## DESCRIPTION

"KPC292M301 and KPC292F301" sparkplug launcher connectors and "GB292" glass bead are designed for broadband devices and units with coaxial I/O interfaces.



## SPECIFICATIONS:

### Connectors

#### Electrical:

Frequency Range DC - 40 GHz  
Return Loss >15 dB(\*)  
Temperature Range -55 to +125 deg.C

#### Mechanical:

Body and Outer Conductors:  
-Passivated Stainless steel  
Inner Conductors:  
-Gold Plated Beryllium Copper and Brass  
Coupling Torque 90 N-cm(Nominal)  
Connect/Disconnect Life >1,000 Cycles

### Glass Bead

#### Electrical:

Frequency Range DC - 40 GHz  
Temperature Range -55 to +125 deg.C

#### Mechanical:

Outer and inner Conductors:  
-Gold Plated(\*\*) Fe/Ni/Co Alloy (KOVAR)  
Insulator: #7070 Glass(Corning)

#### Others:

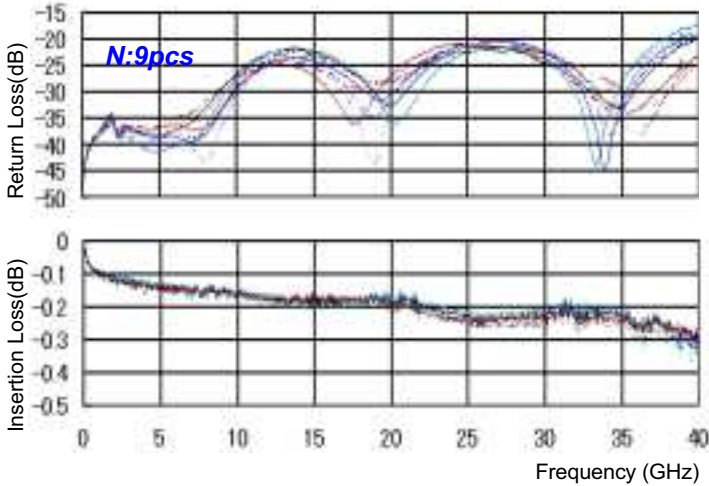
Soldering temperature 330 deg.C(max)  
He leak rate <math>1 \times 10^{-10}</math> P<sub>am</sub><sup>3</sup>/sec



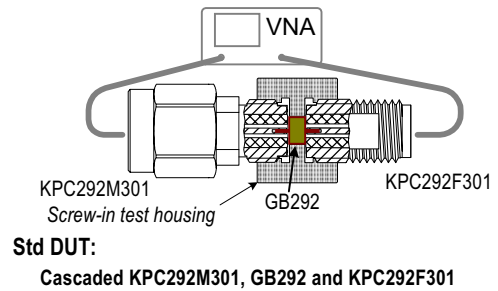
**Production Status**  
Two weeks Lead-Time will be available for shipping.

## Typical Performance

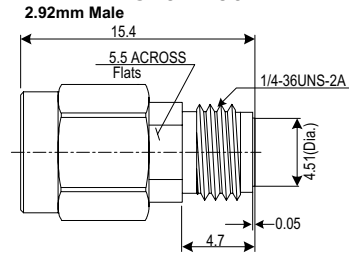
Note:  
(\*) As std DUT configuration



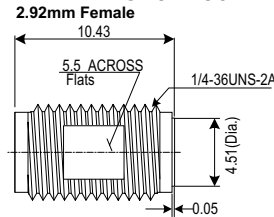
## Test configuration



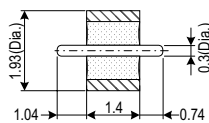
### TYPE: KPC292M301



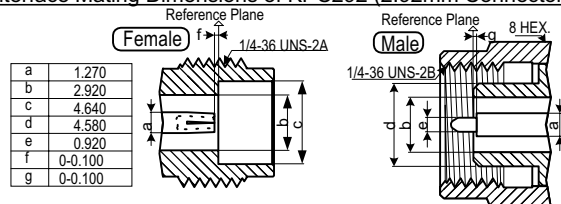
### TYPE: KPC292F301



### TYPE: GB292 Glass Bead



## Interface Mating Dimensions of KPC292 (2.92mm Connectors)



Note:  
- All dimensions are in Millimeters.  
- (\*\*) Thermo-Sonic wire bondable gold plating

Specifications Subject to Change Without Notice.

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