

# FDB-9K-18000

9KHz~18GHz

Features:  
 \* Broadband  
 \* Low VSWR

Applications:  
 \* Telecom  
 \* Instrumentation  
 \* Laboratory Test  
 \* Radar

## Electrical

Frequency Range: 9KHz~18GHz  
 Impedance: 50Ω  
 Voltage: 50V max.

## Mechanical

Connectors: SMP, SSMP, SSMA, SMA, N, TNC  
 Mating Life Cycle: 500 cycles  
 Type: Inner

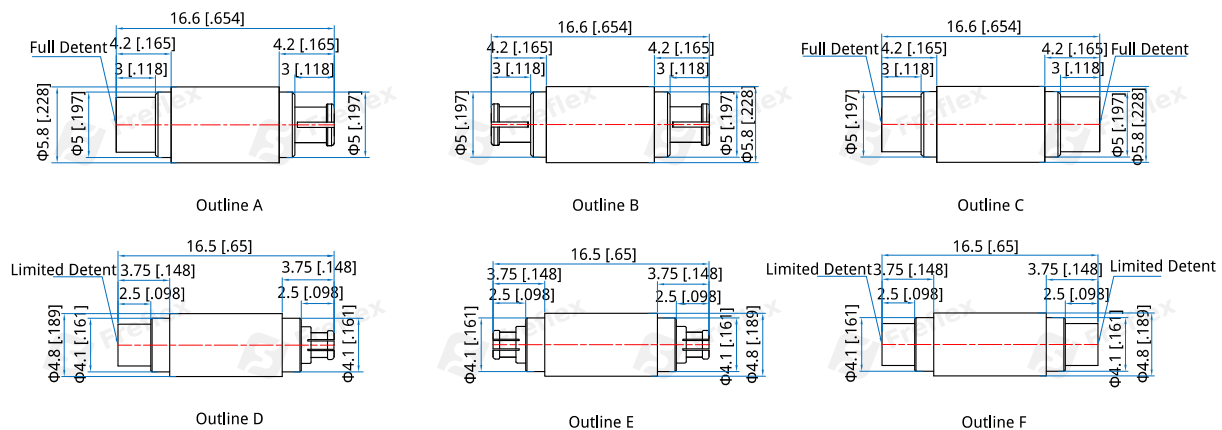
## Environmental

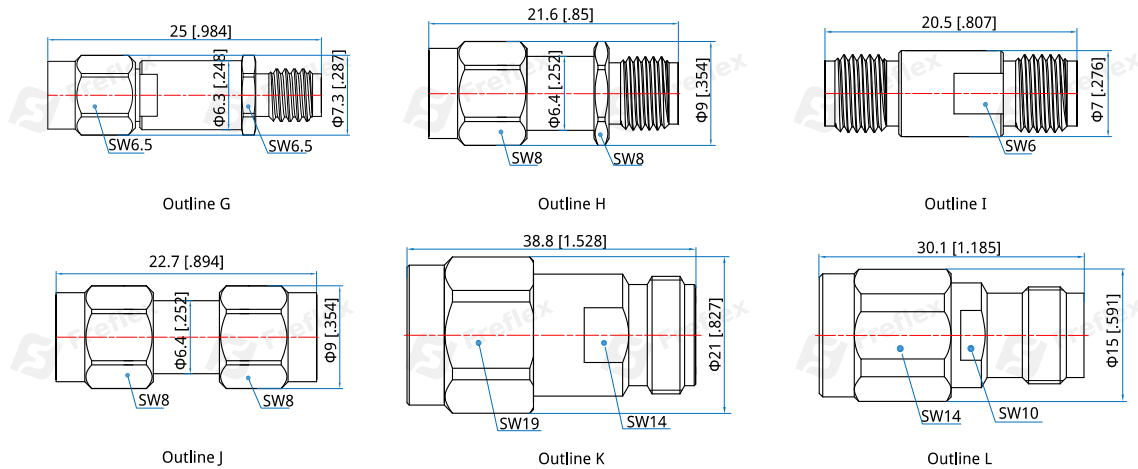
Operating Temperature: -55~+125°C

| Connectors | Insertion Loss (dB max.) | VSWR (max.) | Detent mode (only male) | Outer Conductors  | Dielectric | Inner Conductors                               |
|------------|--------------------------|-------------|-------------------------|---|------------|--|
| SMP        | 0.60                     | 1.35        | Full Detent             | Passivated stainless steel&Gold plated beryllium copper&Gold plated brass | PTFE       | Gold plated beryllium copper&Gold plated brass |
| SSMP*1     | 0.60                     | 1.35        | Limited Detent          | Passivated stainless steel&Gold plated beryllium copper&Gold plated brass | PTFE       | Gold plated beryllium copper&Gold plated brass |
| SSMA       | 0.60                     | 1.35        | -                       | Passivated stainless steel&Gold plated beryllium copper&Gold plated brass | PTFE       | Gold plated beryllium copper&Gold plated brass |
| SMA        | 0.60                     | 1.30        | -                       | Passivated stainless steel  | PTFE       | Gold plated beryllium copper&Gold plated brass |
| N          | 0.70                     | 1.35        | -                       | Nickel Plated Brass   | PTFE       | Gold plated beryllium copper&Gold plated brass |
| TNC        | 0.70                     | 1.35        | -                       | Nickel Plated Brass   | PTFE       | Gold plated beryllium copper&Gold plated brass |

[1] Mateable with GPPO, SMPM & Mini-SMP.

## Outline Drawings





Unit: mm [in]

Tolerance:  $\pm 0.4\text{mm}$  [ $\pm 0.016\text{in}$ ]

### How To Order

- FDB-9K-18000-PPF** - SMP male, SMP female, Outline A
- FDB-9K-18000-PFPF** - SMP female, SMP female, Outline B
- FDB-9K-18000-PP** - SMP male, SMP male, Outline C
- FDB-9K-18000-GGF** - SSMP male, SSMP female, Outline D
- FDB-9K-18000-GFGF** - SSMP female, SSMP female, Outline E
- FDB-9K-18000-GG** - SSMP male, SSMP male, Outline F
- FDB-9K-18000-AAF** - SSMA male, SSMA female, Outline G
- FDB-9K-18000-SSF** - SMA male, SMA female, Outline H
- FDB-9K-18000-SFSF** - SMA female, SMA female, Outline I
- FDB-9K-18000-SS** - SMA male, SMA male, Outline J
- FDB-9K-18000-NNF** - N male, N female, Outline K
- FDB-9K-18000-TTF** - TNC male, TNC female, Outline L

Customization is available upon request.