

## FSP-110

### DC~110GHz

Features:  
 \* Durable  
 \* Low Insertion Loss  
 \* Low VSWR

Applications:  
 \* Microwave Test

### Specifications

| Frequency (GHz) | Pitch (μm)   | Tip Size (μm) | IL (dB Max.) | VSWR (Max.)   | Configuration | Mounting Styles | Connector    | Outline Drawings |
|-----------------|--------------|---------------|--------------|---------------|---------------|-----------------|--------------|------------------|
| DC~110          | 50, 75, 100  | 30            | 1.5          | 2             | GSG           | 45°             | 1.0mm female | Outline A        |
|                 | 125          | 30            | 1 @DC~67GHz  | 1.4 @DC~67GHz | GS            |                 |              |                  |
|                 | 50, 75, 100, | 30            | 1.3 @150um   | 1.6 @150um    | GSG           | 45°             | 1.0mm female | Outline B        |
|                 | 125, 150     |               |              |               |               |                 |              |                  |

### Electrical

Frequency: DC~110GHz  
 Recommend Overtravel: 50μm~75μm  
 Impedance: 50Ω

### Environmental

Operating Temperature: -45~+85°C

### Mechanical

Material: Aluminum Alloy  
 Probe Tip Material: Gold plated BeCu (Outline A)  
 Gold plated Nickel Alloy (Outline B)

### How To Order

#### FSP-110-V-W-X-Y-Z-U-T

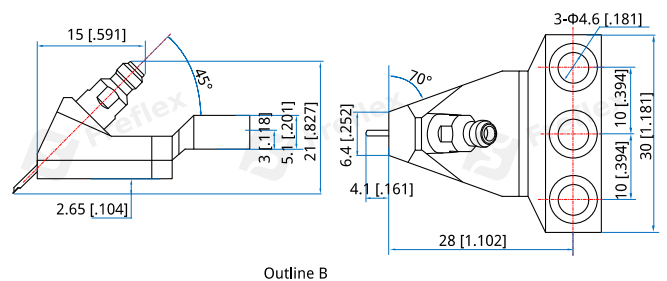
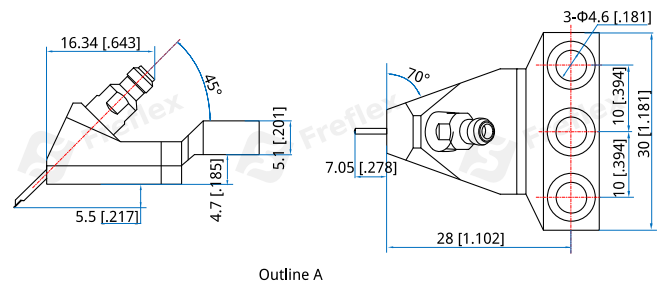
V: Configuration Type.  
 W: Pitch in μm  
 X: Tip Size in μm  
 Y: Mounting Styles. (45 - 45°)  
 Z: Material. (A - Aluminum alloy)  
 U: Probe Tip Material. (Gold plated BeCu: C, Gold plated Nickel Alloy: N)  
 T: If there are duplicate models with different appearances.

#### Examples:

To order a single port probe, DC~110GHz, GSG, Pitch 75μm, 30μm, 45°, Aluminum alloy, Gold plated BeCu, specify FSP-110-GSG-75-30-45-A-C.

Customization is available upon request.

### Outline Drawings



Unit: mm [inch]  
 Tolerance: ±0.25mm [±0.01in]