

FD-10-26500

0.01~26.5GHz

Features:
 * Broadband
 * High Sensitivity

Applications:
 * Telecom
 * Instrumentation
 * Laboratory Test
 * Radar

Electrical

Frequency Range: 0.01~26.5GHz
 Sensitivity: 500mV/mW @0.01~18GHz
 180mV/mW @0.01~26.5GHz
 Input Power: 20dBm max.
 Rise Time: 20nS
 Falling Time: 20nS
 Impedance: 50Ω

Flatness and VSWR (SMA)

| Frequency(GHz) | Flatness (dB, VSWR (max.)) | | Connector | |
|----------------|----------------------------|--------------|-----------|-------------------|
| | max.) | | Input | Output |
| 0.01~4 | ±0.3 | 1.2 | SMA(m) | SMA(f), BNC(f) |
| 0.01~8 | ±0.3 | 1.4 | | |
| 0.01~12 | ±0.5 | 1.5 | | |
| 0.01~18 | ±0.6 | 1.8 | | |
| 0.01~26.5 | ±0.6 | 1.5 | SMA(m) | SMA(f), BNC(f) |
| | (0.01-18GHz) | (0.01-18GHz) | | |
| | ±1.5 | 2.2 | | |
| | (18-26.5GHz) | (18-26.5GHz) | | |

Flatness and VSWR (N)

| Frequency(GHz) | Flatness (dB, VSWR (max.)) | | Connector | |
|----------------|----------------------------|-----|-----------|----------------------------|
| | max.) | | Input | Output |
| 0.01~4 | ±0.3 | 1.2 | N(m) | N(f), SMA(f), BNC(f) |
| 0.01~8 | ±0.3 | 1.4 | | |
| 0.01~12 | ±0.5 | 1.8 | | |
| 0.01~18 | ±0.6 | 2.2 | | |

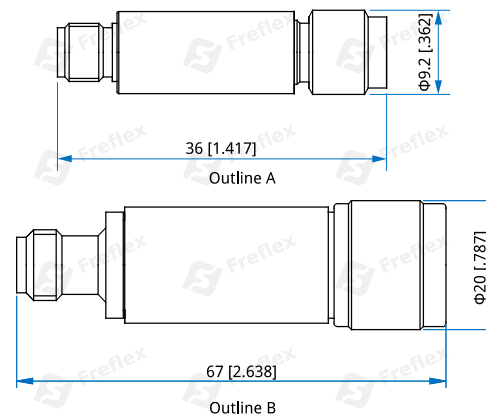
Mechanical

Housing: Nickel plated brass
 Outer Conductor: Nickel plated brass
 Male Inner Conductor: Gold plated brass
 Female Inner Conductor: Gold plated beryllium copper

Environmental

Temperature: -20~+55°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±5%

How To Order

FD-10-X-Y-Z

X: Stop frequency in MHz

Y: Polarity

P - Positive

N - Negative

Z: Connector type

Connector naming rules:

S - Input: SMA male, Output: SMA female (Outline A)

SB - Input: SMA male, Output: BNC female

N - Input: N male, Output: N female(Outline B)

NS - Input: N male, Output: SMA female

NB - Input: N male, Output: BNC female

Examples:

To order a coaxial detector, 0.01~18GHz, Input: SMA male, Output: SMA female, positive, specify FD-10-18000-P-S.

Customization is available upon request.