

# FSDC-500-18000-K4

0.5~18GHz, 400W

### Features:

- \* Broadband
- \* Low Insertion Loss

## Applications:

- \* Amplifiers
- \* Transmitter
- \* Laboratory Test
- \* Radar

## Electrical

|                |                   |
|----------------|-------------------|
| Frequency:     | 0.5~18GHz         |
| Impedance:     | 50Ω               |
| Average Power: | 400W max.         |
| Peak Power:    | 3000W (Outline A) |

| Coupling<br>(dB) | Frequency<br>(GHz) | Insertion<br>Loss<br>(dB<br>max.) | VSWR (max.) |          | Coupling<br>Flatness<br>(dB<br>max.) | Directivity<br>(dB min.) |
|------------------|--------------------|-----------------------------------|-------------|----------|--------------------------------------|--------------------------|
|                  |                    |                                   | Mainline    | Coupling |                                      |                          |
| 30±1.2           | 0.5~8              | 0.7                               | 1.4         | 1.5      | ±1.5                                 | 12                       |
|                  | 8~18               | 1                                 | 1.5         | 1.6      |                                      | 10                       |
| 40±1.2           | 0.5~18             | 1                                 | 1.5         | 1.6      | ±1.4                                 | 10                       |

## Mechanical

|                      |                               |
|----------------------|-------------------------------|
| RF Connectors:       | N Female                      |
| Coupling Connectors: | SMA Female                    |
| Mounting:            | 4-Φ3.8 through hole<br>4-M3*5 |

## Environmental

|                            |            |
|----------------------------|------------|
| Operation Temperature:     | -55~+85°C  |
| Non-operation Temperature: | -55~+100°C |

## How To Order

**FSDC-500-18000-K4-X-Y**

X: Coupling: (30dB - Outline A, 40dB - Outline B)

Y: Connector type

### Connector naming rules:

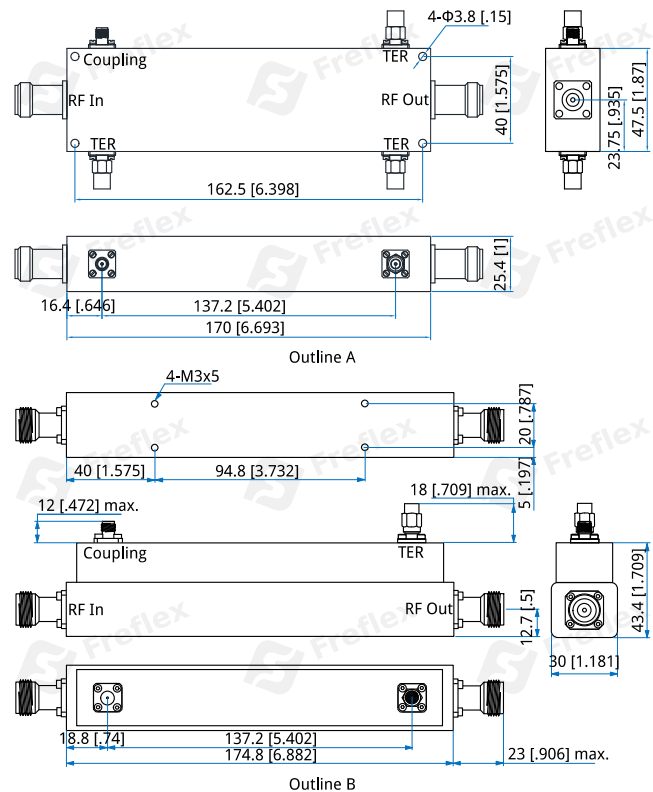
NS - N Female &amp; SMA Female

Examples:

To order a single directional coupler, 0.5~18GHz, 400W, 30dB, N Female & SMA Female, specify FSDC-500-18000-K4-30-NS.

Customization is available upon request.

## Outline Drawings



Unit: mm [in]

Tolerance: .x±0.5mm [±0.02in], .xx±0.1mm [±0.004in]