

## FSDC-700-6000-K12

0.7~6GHz, 120W

### Features:

- \* Broadband
- \* Low Insertion Loss

### Applications:

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

### Electrical

|                |            |
|----------------|------------|
| Frequency:     | 0.7~6GHz   |
| Directivity:   | 18dB min.  |
| Impedance:     | 50Ω        |
| Average Power: | 120W max.  |
| Peak Power:    | 3000W max. |

| Coupling (dB) | Insertion Loss (dB max.) | VSWR (max.) | Coupling Flatness (±dB max.) |
|---------------|--------------------------|-------------|------------------------------|
| 30±0.9        | 0.6                      | 1.3         | 0.7                          |
| 40±0.9        | 0.5                      | 1.3         | 0.7                          |

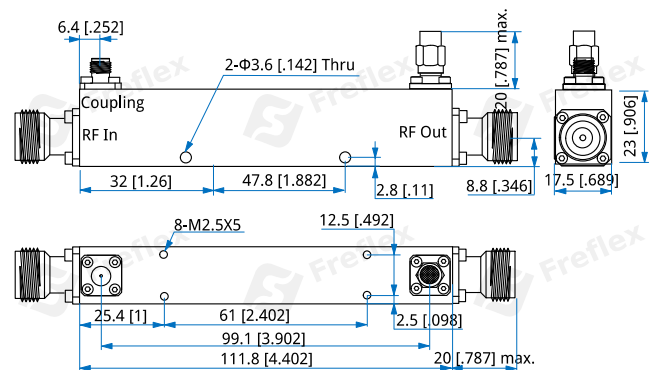
### Mechanical

|                      |                       |
|----------------------|-----------------------|
| RF Connectors:       | N Female              |
| Coupling Connectors: | SMA Female            |
| Mounting:            | 2-Φ3.6mm through-hole |

### Environmental

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

### Outline Drawings



Unit: mm [in]

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

### How To Order

**FSDC-700-6000-K12-X-Y**

X: Coupling (30, 40dB)

Y: Connector type

Connector naming rules:

NS - N female & SMA female

Examples:

To order a single directional coupler, 0.7~6GHz, 120W, 30dB, N female & SMA female, specify FSDC-700-6000-K12-30-NS.

Customization is available upon request.