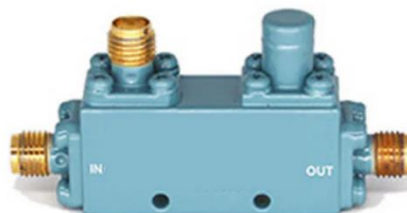


# Directional Coupler

A Directional Coupler is a four-port device,

- Input;
- Primary (or through) port, which passes through the signal from the input port;
- Coupled port, which passes a certain fixed fraction of the input signal;
- Isolated port, which is typically terminated.



## Features

- Low Insertion Loss
- Precise Power Allocation
- High Directivity
- Excellent Out of Band Suppression
- Impedance: 50  $\Omega$
- Operating Temperature: -45 ~ +85  $^{\circ}\text{C}$

| Frequency Range (GHz) | Coupling (dB) | Primary Line Loss (dB) | VSWR | Directionality (dB) | Max Input Power (dBm) | Connector Type |
|-----------------------|---------------|------------------------|------|---------------------|-----------------------|----------------|
| 0.6-18                | 10            | 1.5                    | 1.18 | 12                  | 30                    | SMA-F          |
| 0.6-18                | 20            | 1.2                    | 1.18 | 12                  | 30                    | SMA-F          |
| 1.0-20                | 10            | 1.1                    | 1.20 | 17                  | 20                    | SMA-F          |
| 0.5-20                | 20            | 1.0                    | 1.25 | 15                  | 20                    | SMA-F          |