

#### Features

- Ultra Wide Band
- Low Insertion Loss
- High Directivity
- Stable Performance
- Customization Available Upon Request

#### Applications

- Radar Systems
- Communication Systems
- Receivers Systems



#### Electrical Specifications (TA=25°C)

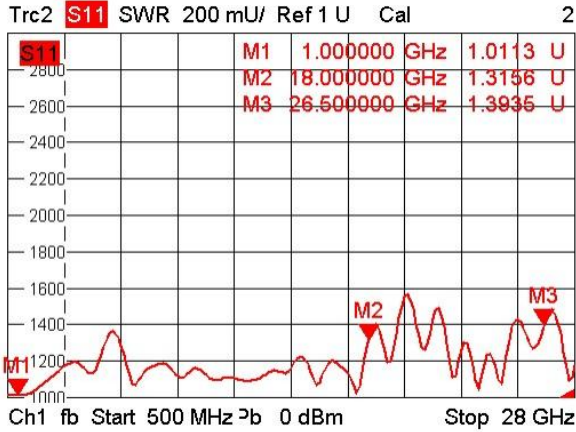
| Parameter                 | Min.                     | Typ.   | Max. | Unit |
|---------------------------|--------------------------|--------|------|------|
| Frequency                 |                          | 1-26.5 |      | GHz  |
| Insertion Loss            |                          | 1.1    | 1.4  | dB   |
| Normal Coupling           |                          | 13     |      | dB   |
| Coupling Accuracy         |                          | ±0.3   | ±0.7 | dB   |
| Frequency Sensitivity     |                          | ±0.8   | ±1.0 | dB   |
| Directivity               | 13                       | 14     |      | dB   |
| VSWR                      |                          |        | 1.6  | -    |
| Power Handling            |                          | 20     |      | W    |
| Impedance                 | 50                       |        |      | Ω    |
| Input / Output Connectors | SMA-Female               |        |      |      |
| Material                  | Aluminum                 |        |      |      |
| Weight                    | 44.2g / 1.56 Ounces Max. |        |      |      |
| Package Sealing           | Black Color (Standard)   |        |      |      |

#### Environmental Specifications

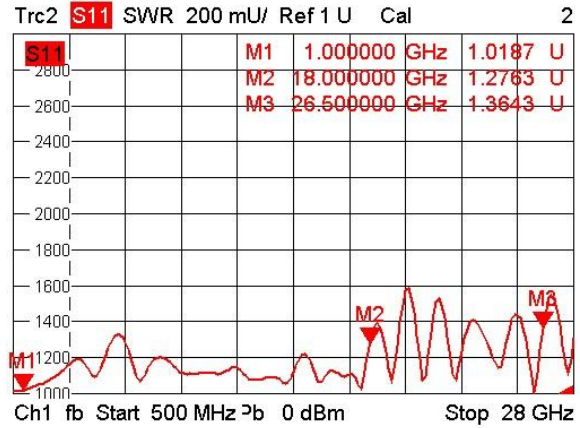
|                       |               |
|-----------------------|---------------|
| Operating Temperature | -45 to +85°C  |
| Storage Temperature   | -55 to +125°C |

## Test Curves

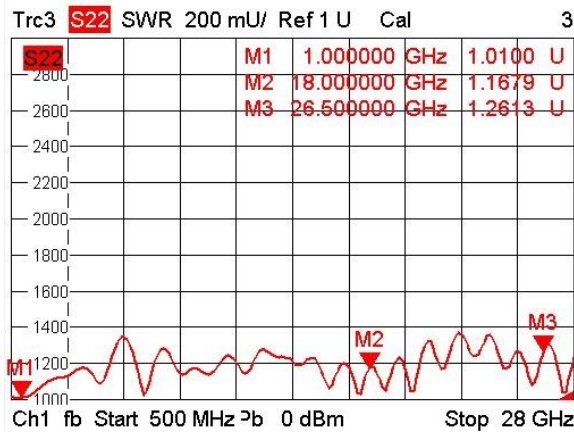
Input VSWR



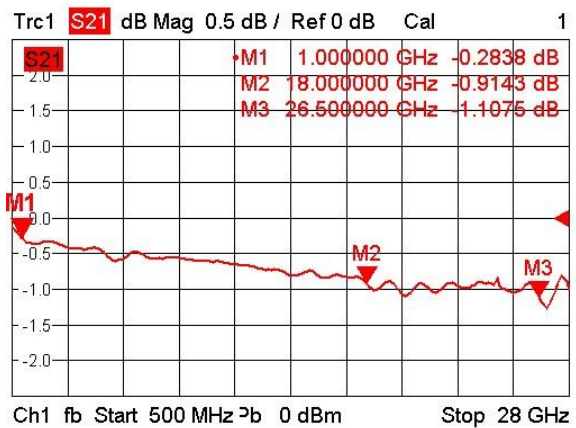
Output VSWR



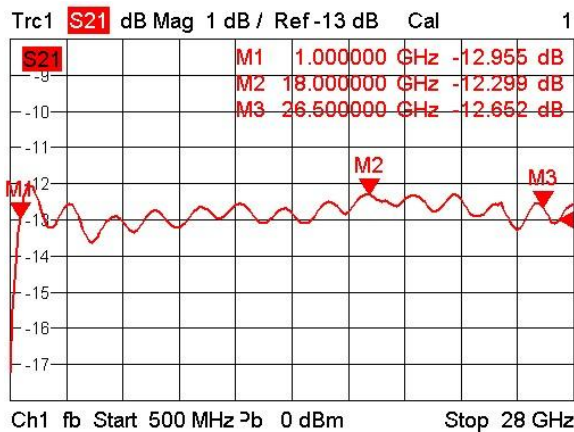
Coupling-Port VSWR



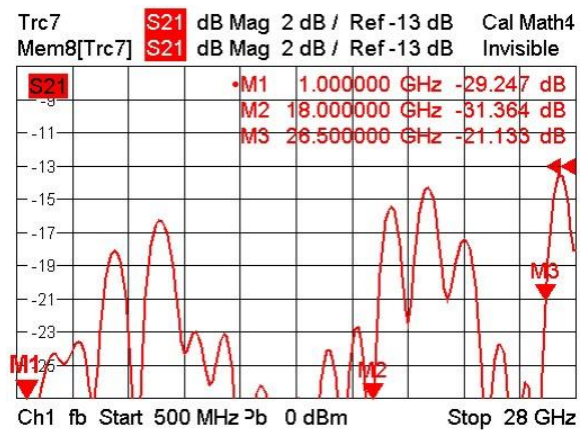
Insertion Loss



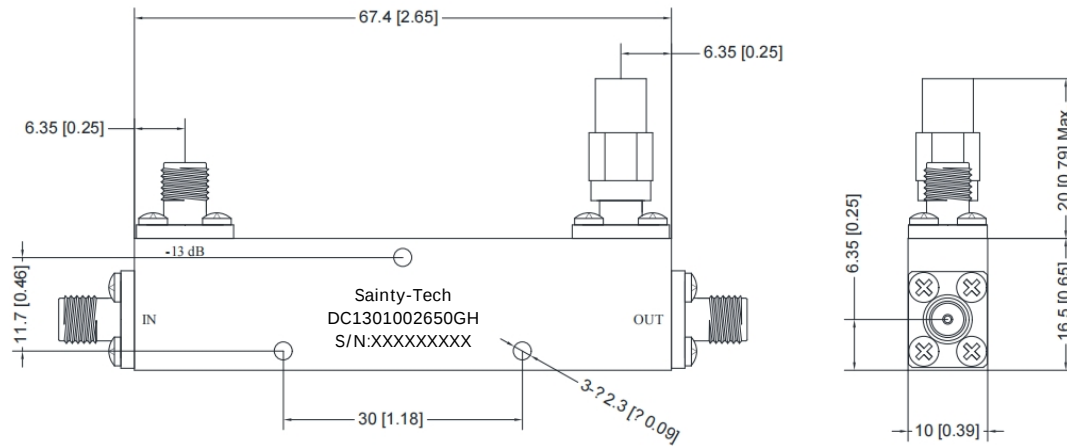
Coupling



Directivity



## Outline Drawing



Unit: mm [inches]

Outline Tolerance:  $\pm 0.25[0.01]$

## Note

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Sainty-Tech Communications Limited reserves the right to change the above information without notice.