

### 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)

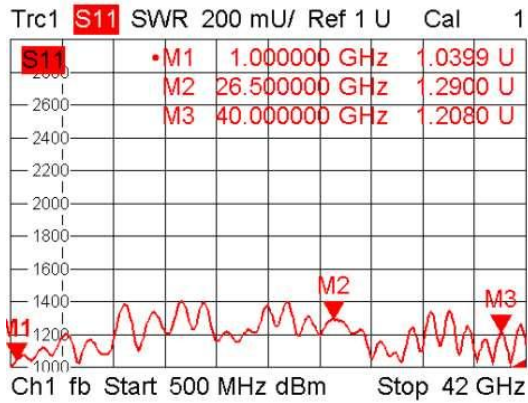
| Parameter                 | Min.                     | Typ. | Max. | Unit |
|---------------------------|--------------------------|------|------|------|
| Frequency                 |                          | 1-40 |      | GHz  |
| Insertion Loss            |                          | 1.5  | 1.9  | dB   |
| Normal Coupling           |                          | 16   |      | dB   |
| Coupling Accuracy         |                          | ±0.5 | ±1.0 | dB   |
| Frequency Sensitivity     |                          | ±1.0 | ±1.2 | dB   |
| Directivity               | 10                       | 11   |      | dB   |
| VSWR                      |                          | 1.5  | 1.7  | -    |
| Power Handling            |                          | 20   |      | W    |
| Impedance                 |                          | 50   |      | Ω    |
| Input / Output Connectors | 2.92mm-Female            |      |      |      |
| Material                  | Aluminum                 |      |      |      |
| Weight                    | 45.4 g / 1.6 Ounces Max. |      |      |      |
| Package Sealing           | Black Color (Standard)   |      |      |      |

### Environmental Specifications

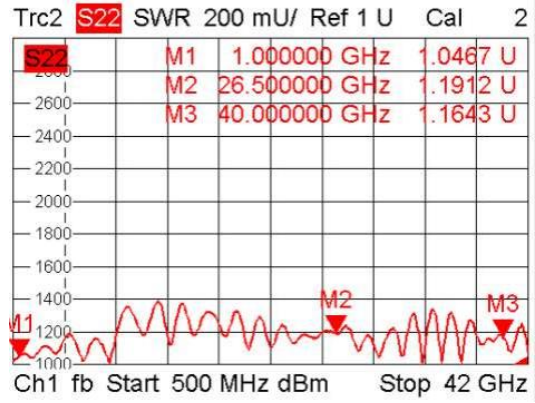
|                       |               |
|-----------------------|---------------|
| Operating Temperature | -55 to +85°C  |
| Storage Temperature   | -55 to +100°C |

Test Curves

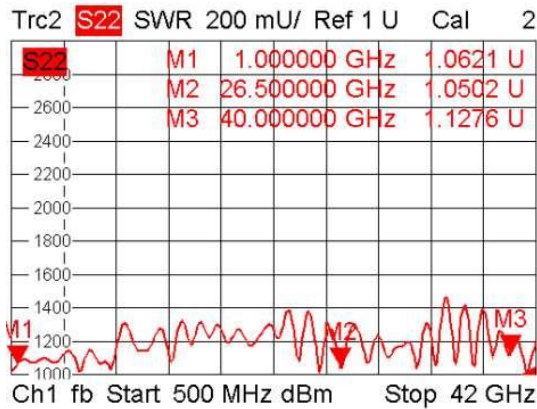
IN-Port VSWR



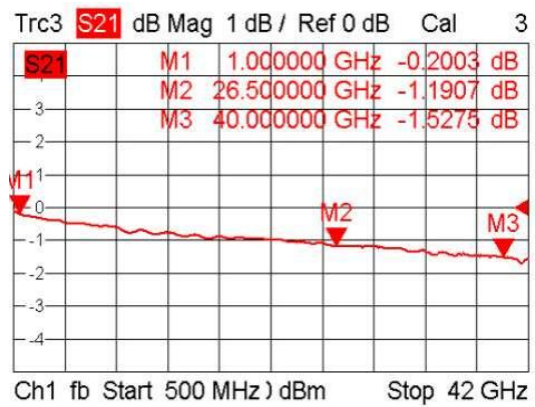
OUT-Port VSWR



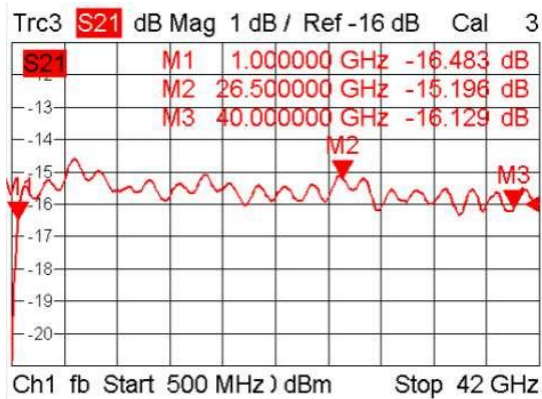
Coupling-Port VSWR



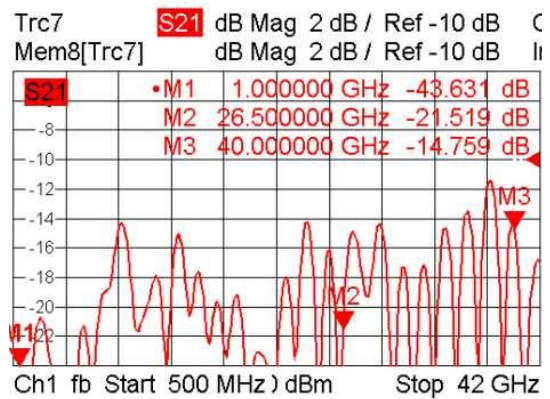
Insertion Loss



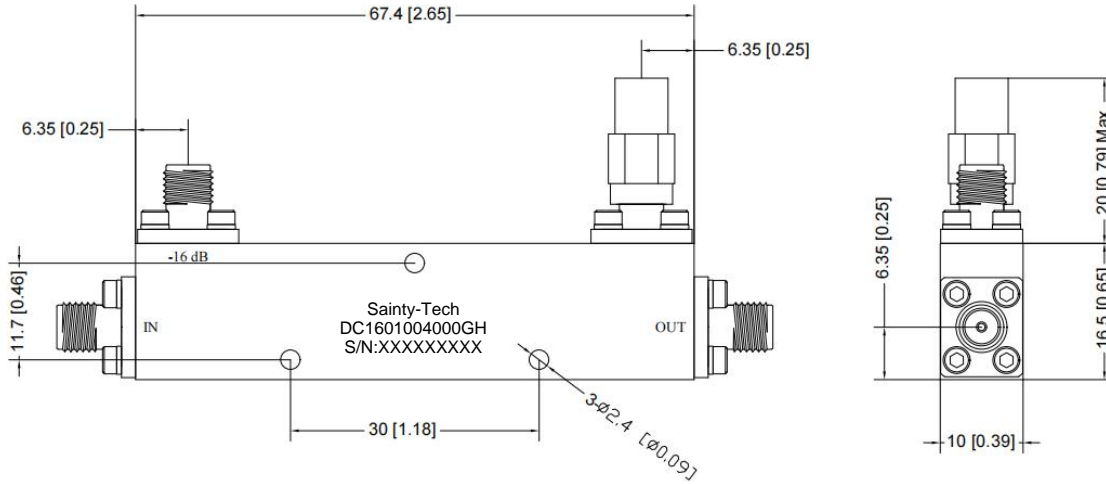
Coupling



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.