

**Features**

- 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		6-18		GHz
Insertion Loss		0.3	0.5	dB
Normal Coupling		30		dB
Coupling Accuracy		±0.2	±0.5	dB
Frequency Sensitivity		±0.5	±0.8	dB
Directivity	15	17		dB
VSWR		1.2	1.4	-
Power Handling		20		W
Impedance		50		Ω
Input / Output Connectors	SMA-Female			
Material	Aluminum			
Weight	28.4g / 1.0 Ounces Max.			
Package Sealing	Black Color (Standard)			

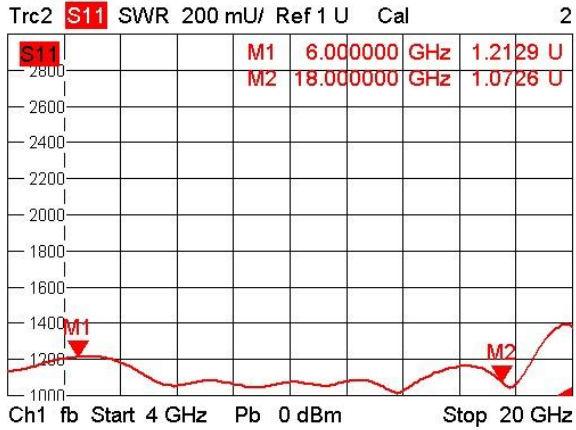
**Environmental Specifications**

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

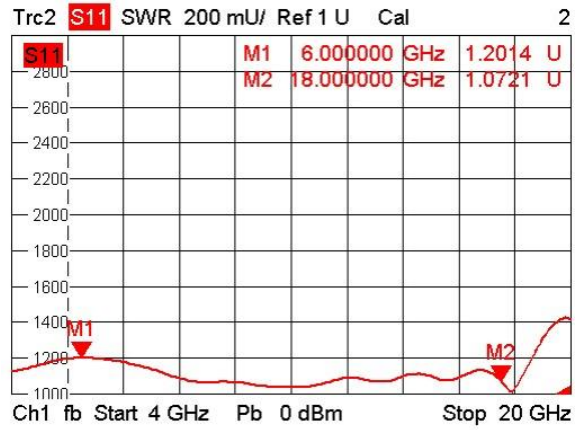


### Test Curves

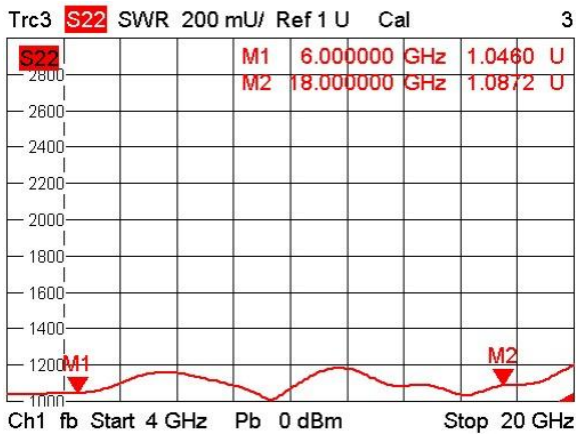
#### Input VSWR



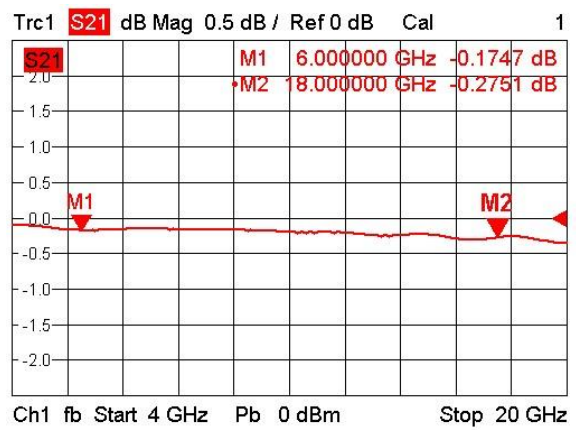
#### Output VSWR



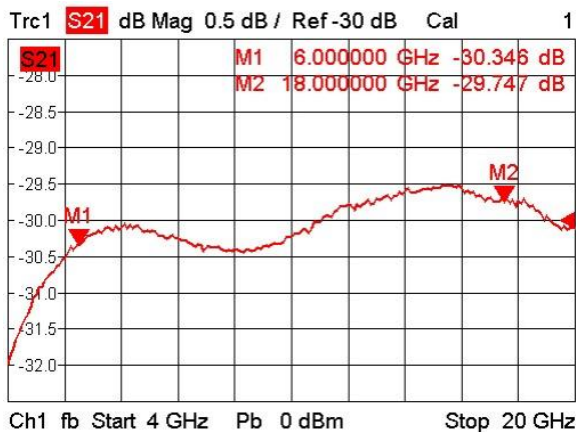
#### Coupling-Port VSWR



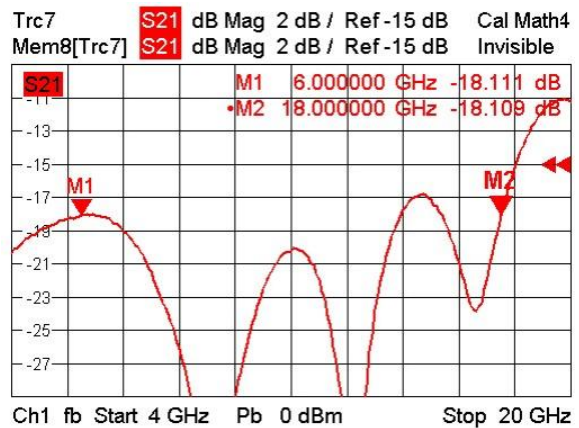
#### Insertion Loss



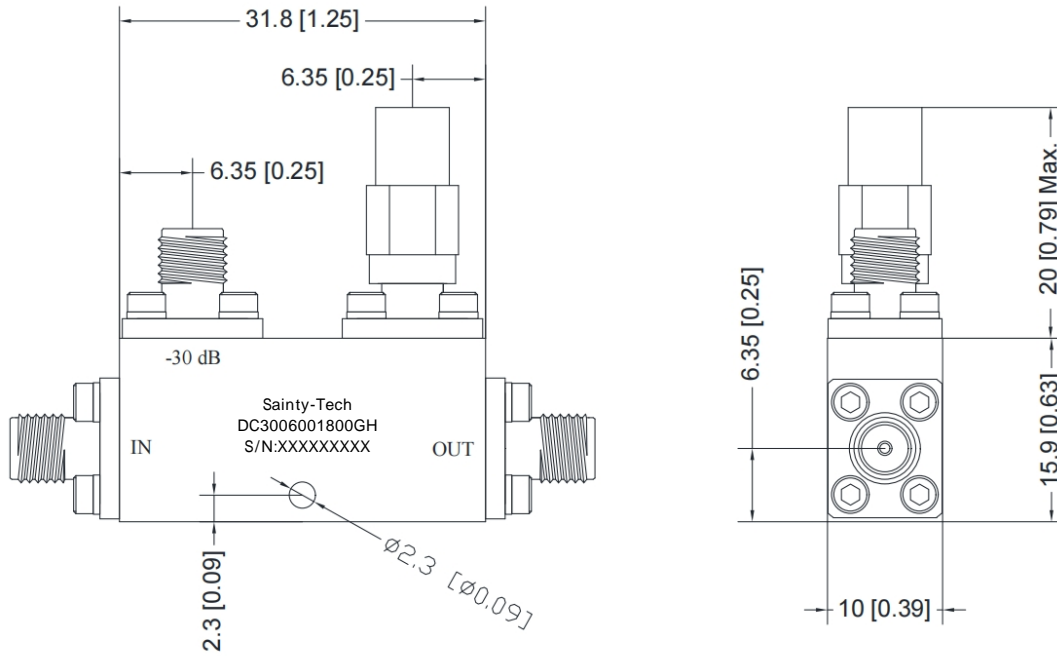
#### Coupling



#### 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.