

## 41dB Directional Coupler 0.3-2.7GHz

### 电气特性 Electrical:

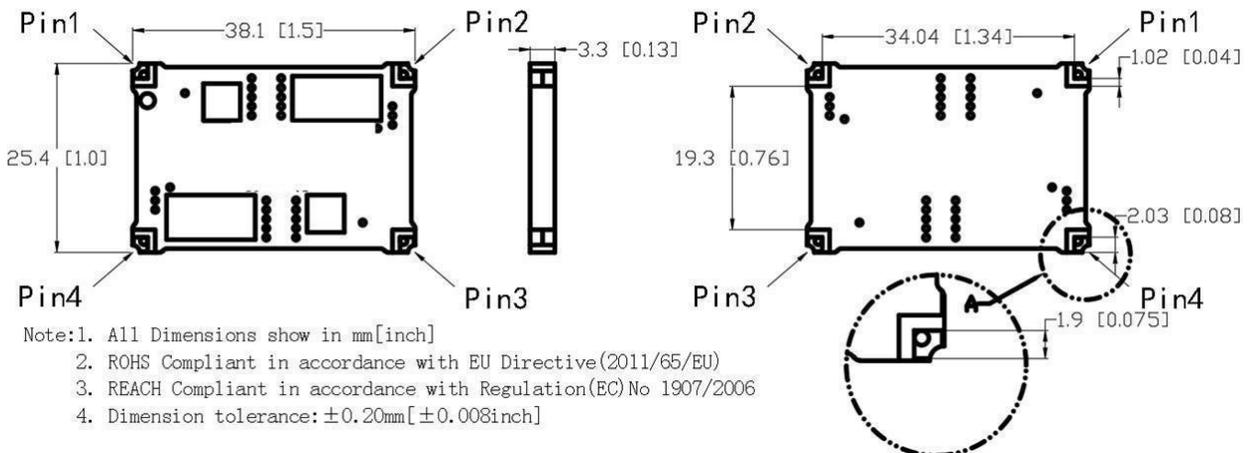
工作频率 Frequency Range:	300-2700MHz
耦合度 Coupling :	41 ± 1.5dB
插入损耗 Insertion Loss:	0.3dB Max
驻波 VSWR:	1.20:1 Max
方向性 Directivity:	18.0dB Min
耐功率 Power Handling:	300 Watt
阻抗 Impedance:	50 OHMS

### 机械特性 Mechanical:

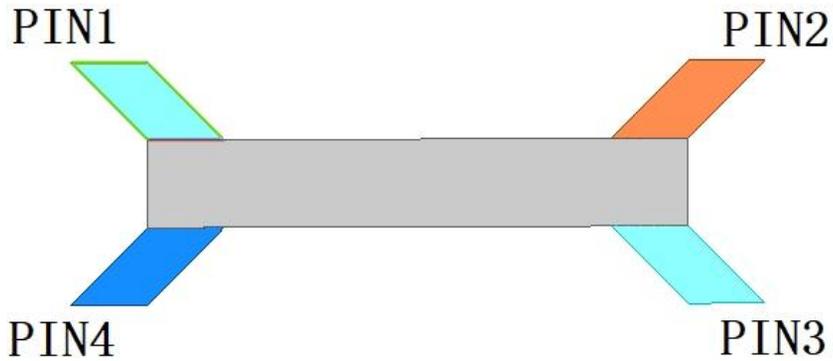
温度范围 Temperature Range:	-55° C - +105° C
大小 Size:	38.1mm*25.4mm
厚度 Thickness:	3.3mm
相对湿度 Relative Humidity:	0 ~ 90%

### 外形尺寸 Outline Drawing:

Unit: mm



### Hybrid Coupler Pin Configuration

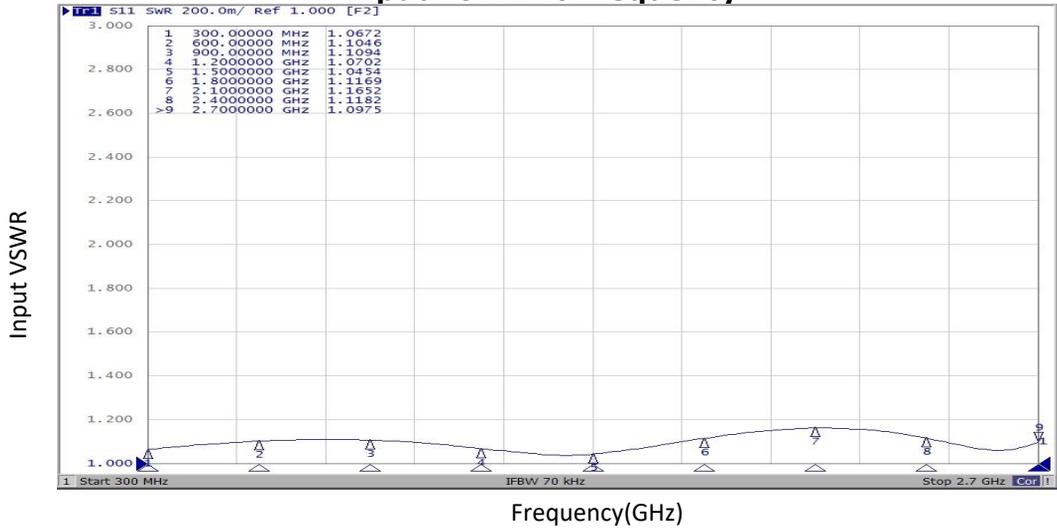


PIN1	PIN2	PIN3	PIN4
Input	Reflected Coupled	Transmission	Forward Coupled
Transmission	Forward Coupled	Input	Reflected Coupled

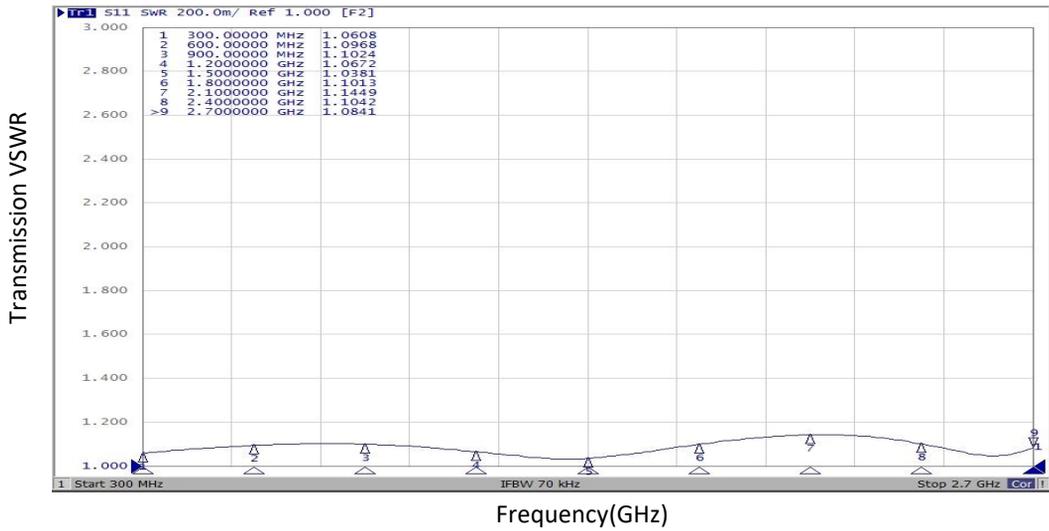
### Typical Performance Data

Frequency	MHz	300	600	900	1200	1500	1800	2100	2400	2700
Coupling	dB	-41.54	-40.33	-41.13	-41.46	-41.23	-40.37	-40.25	-39.72	-40.17
Insertion Loss	dB	-0.048	-0.055	-0.051	-0.065	-0.12	-0.099	-0.19	-0.23	-0.29
Directivity	dB	-37.53	-29.61	-25.99	-23.38	-20.47	-20.81	-20.47	-21.20	-22.99
VSWR	Input	/	1.07	1.10	1.11	1.07	1.05	1.12	1.17	1.12
	Transmission	/	1.06	1.10	1.10	1.07	1.04	1.10	1.14	1.10

## Input VSWR vs Frequency



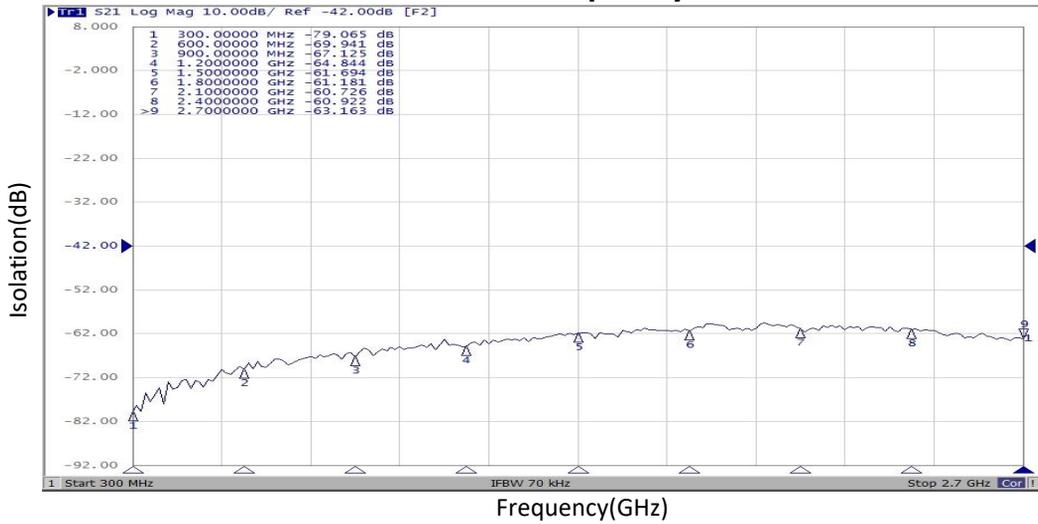
## Transmission VSWR vs Frequency



## Coupling vs Frequency

uplig(dB)

## Isolation vs Frequency



## Insertion Loss vs Frequency

