

## 40dB Directional Coupler 0.1-1GHz

### 电气特性 Electrical:

工作频率 Frequency Range:	100-1000MHz
耦合度Coupling :	40±1.0dB
插入损耗 Insertion Loss:	0.12dB Max
驻波 VSWR:	1.10:1 Max
方向性 Directivity:	25.0dB Min
耐功率 Power Handling:	200 Watt
阻抗 Impedance:	50 OHMS

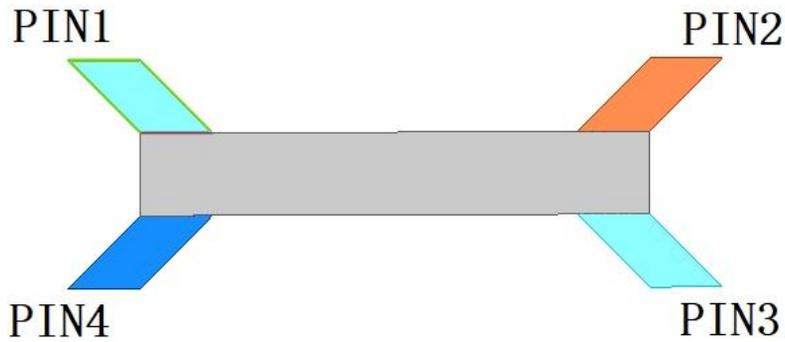
### 机械特性 Mechanical:

温度范围Temperature Range:	-55° C - +105° C
大小Size:	20mm*17mm
厚度Thickness:	1.8mm
相对湿度Relative Humidity:	0 ~ 90%

### 外形尺寸Outline Drawing:

Unit: mm

### Hybrid Coupler Pin Configuration

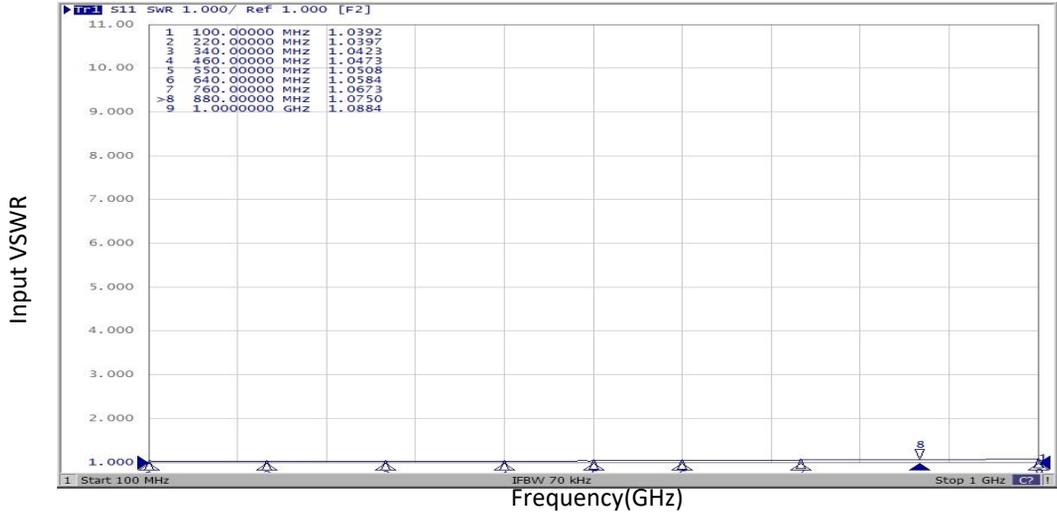


PIN1	PIN2	PIN3	PIN4
Input	Reflected Coupled	Transmission	Forward Coupled
Transmission	Forward Coupled	Input	Reflected Coupled

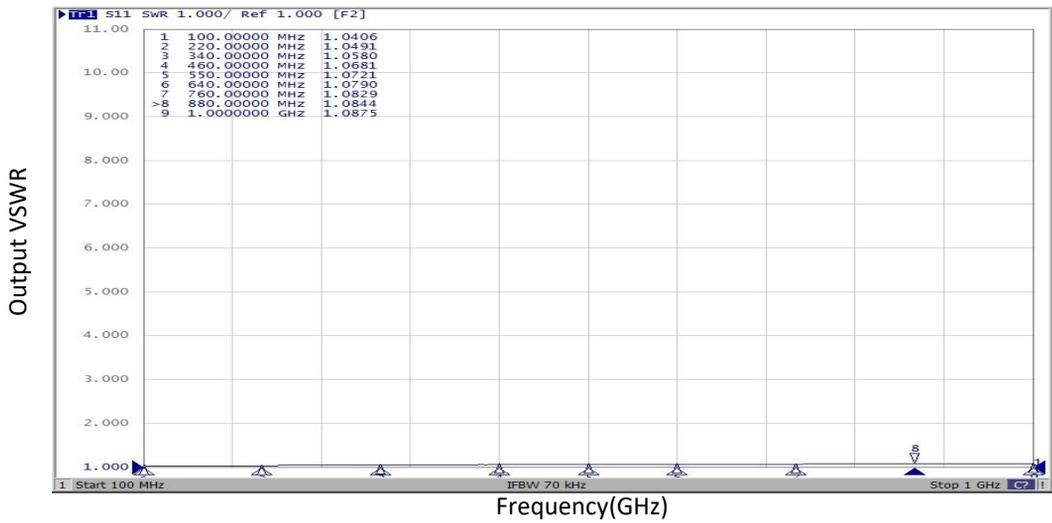
### Typical Performance Data

Frequency	MH z	100	220	340	460	550	640	760	880	1000	
Coupling	dB	-40.87	-39.47	-39.77	-40.15	-40.25	-40.23	-40.12	-39.87	-39.54	
Insertion Loss	dB	-0.009	-0.023	-0.033	-0.050	-0.051	-0.064	-0.081	-0.090	-0.101	
Directivity	dB	-44.55	-45.75	-40.35	-36.56	-34.48	-33.23	-30.30	-27.10	-26.32	
VSWR	Input	/	1.04	1.04	1.04	1.05	1.05	1.06	1.07	1.08	1.09
	Transmission	/	1.04	1.05	1.06	1.07	1.07	1.08	1.08	1.08	1.09

## Input VSWR vs Frequency



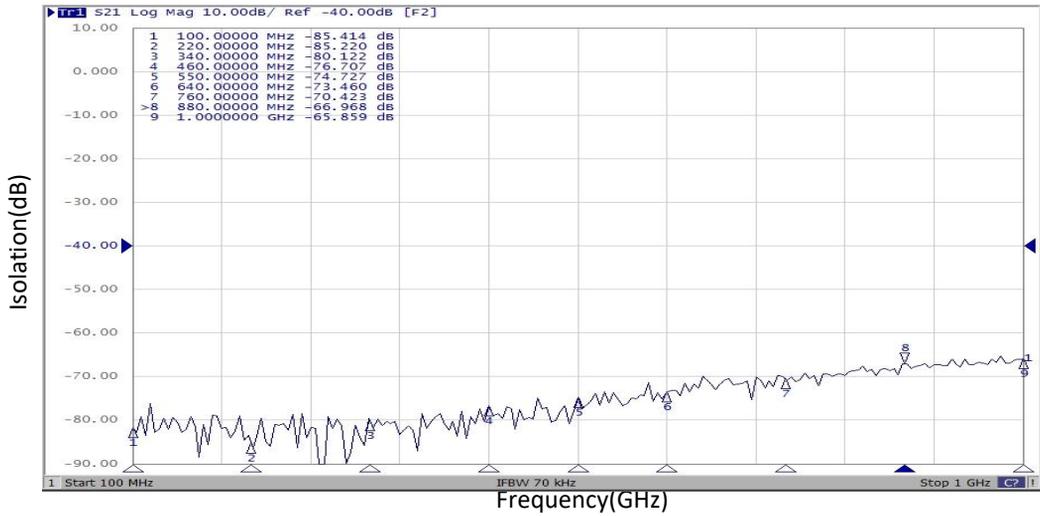
## Output VSWR vs Frequency



## Coupling vs Frequency

uplig(dB)

### Isolation vs Frequency



### Insertion Loss vs Frequency

