

45dB Directional Coupler 0.03-0.52GHz

电气特性 Electrical:

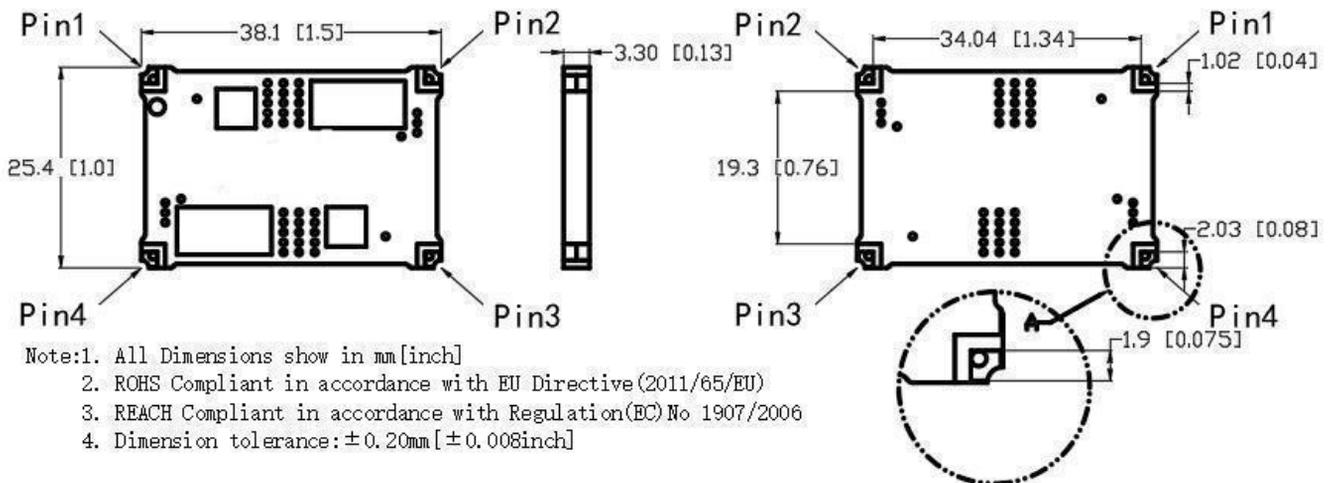
工作频率 Frequency Range:	30-520MHz
耦合度 Coupling :	45 ± 1.0dB
插入损耗 Insertion Loss:	0.2dB Max
驻波 VSWR:	1.10:1 Max
方向性 Directivity:	25.0dB Min
耐功率 Power Handling:	300 Watt
阻抗 Impedance:	50 OHMS

机械特性 Mechanical:

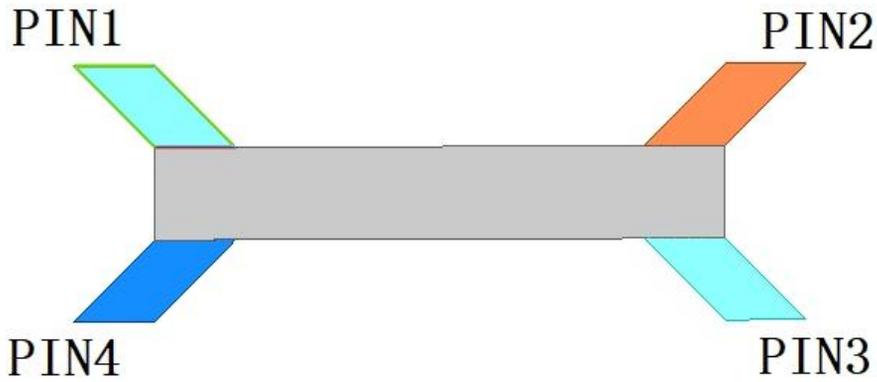
温度范围 Temperature Range:	-55° C - +105° C
大小 Size:	38.1mm*25.4mm
厚度 Thickness:	3.3mm
相对湿度 Relative Humidity:	0 ~ 90%

外形尺寸 Outline Drawing:

Unit: mm



Hybrid Coupler Pin Configuration

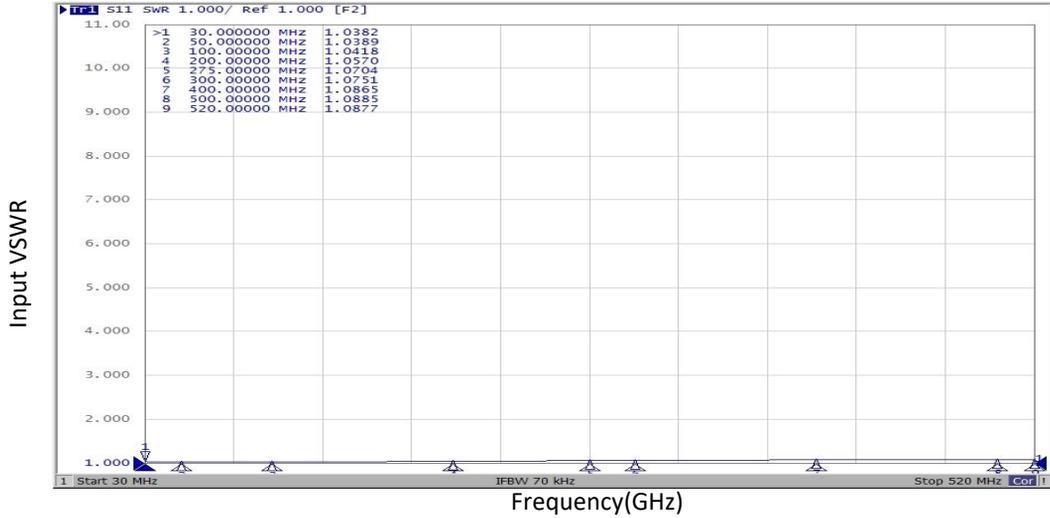


PIN1	PIN2	PIN3	PIN4
Input	Reflected Coupled	Transmission	Forward Coupled
Transmission	Forward Coupled	Input	Reflected Coupled

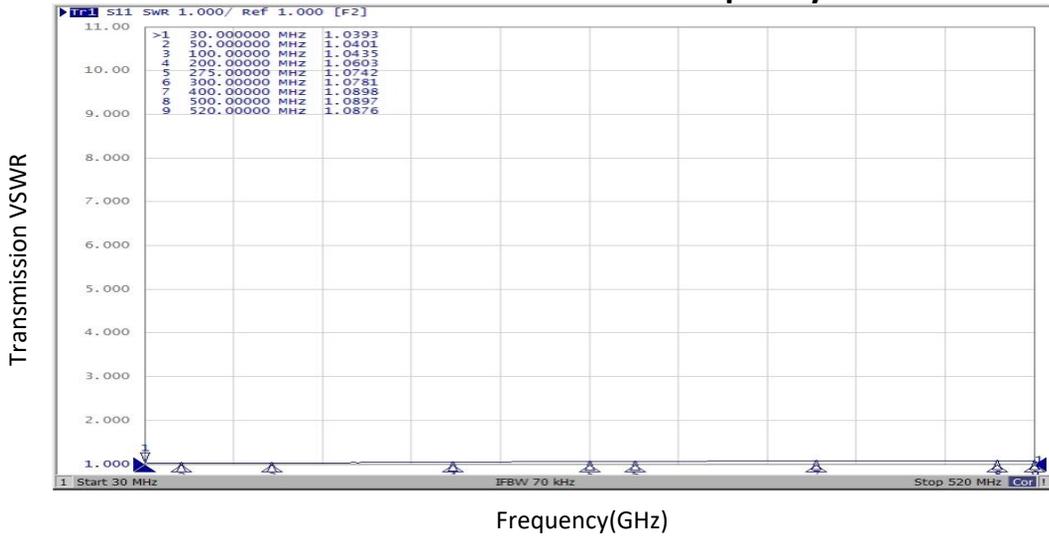
Typical Performance Data

Frequency	MHz	30	50	100	200	275	300	400	500	520
Coupling	dB	-45.84	-44.57	-44.83	-45.05	-44.70	-44.74	-44.44	-44.16	-44.19
Insertion Loss	dB	-0.0002	-0.005	-0.02	-0.04	-0.09	-0.10	-0.12	-0.15	-0.15
Directivity	dB	-28.68	-27.71	-30.03	-28.17	-28.37	-28.49	-27.36	-28.26	-27.37
VSWR	Input	/	1.04	1.04	1.04	1.06	1.07	1.08	1.09	1.09
	Transmission	/	1.04	1.04	1.04	1.06	1.07	1.08	1.09	1.09

Input VSWR vs Frequency



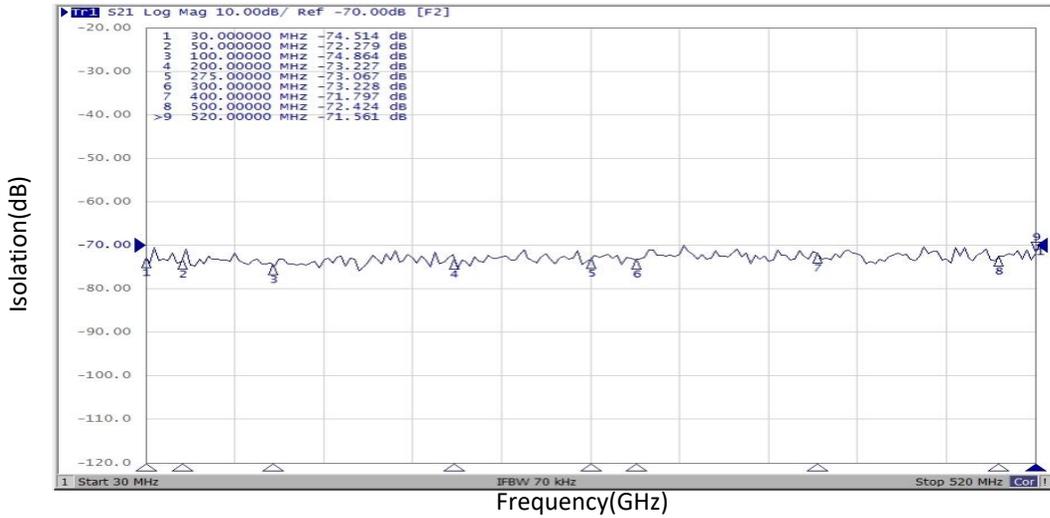
Transmission VSWR vs Frequency



Coupling vs Frequency

uplig(dB)

Isolation vs Frequency



Insertion Loss vs Frequency

