

# 1-40GHz 13dB Directional Coupler

P/N: MZD130140GH



## Description:

MZD130140GH is a 13dB single directional coupler with a typical insertion Loss of 1.6dB and a typical directivity of 11dB across the frequency range of 1 to 40GHz. The directional coupler can reach handling power 20W. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1-40		GHz
Insertion Loss		1.6	2.0	dB
Nominal Coupling		13		dB
Coupling Accuracy		±0.2	±1.0	dB
Frequency Sensitivity		±0.9	±1.2	dB
Directivity	10	11		dB
VSWR		1.6	1.7	-
Power Handling		20		W
Impedance		50		Ω
Connector		2.92mm-Female		
Material		Aluminum		
Weight		45.4g / 1.6 Ounces Max.		
Finish		Black Paint(Standard)		

## Environmental Specifications:

- ※ Operational Temperature -55°C~+85°C
- ※ Storage Temperature -55°C~+100°C



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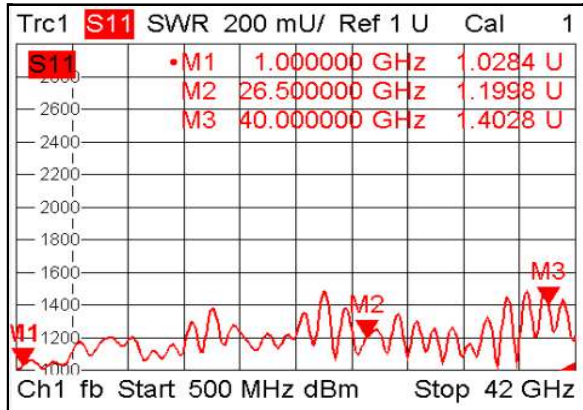
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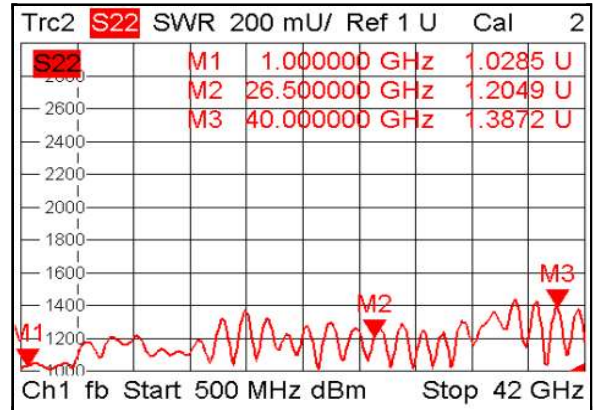


## Typical Performance (Room Temp. +25°C, RH: 50%)

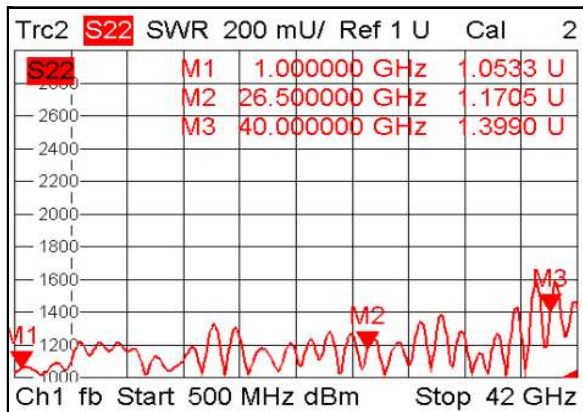
### IN-Port VSWR



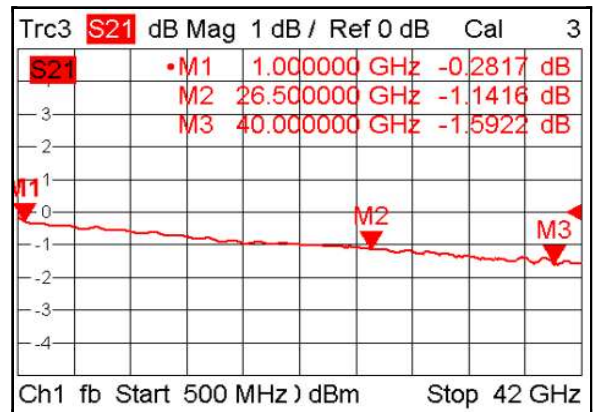
### OUT-Port VSWR



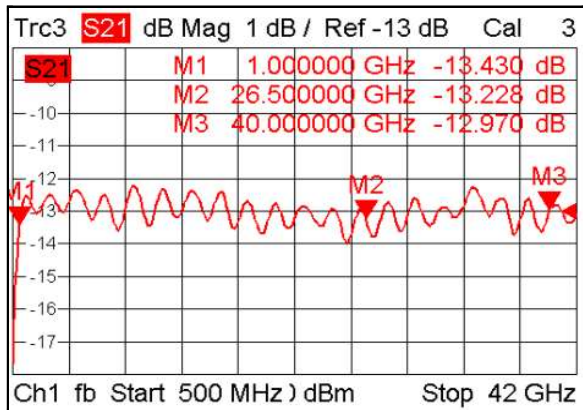
### Coupling-Port VSWR



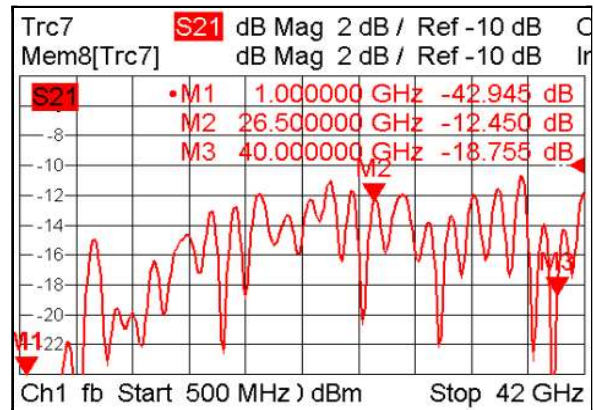
### Insertion Loss



### Coupling



### Directivity



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