

1-18GHz 13dB Directional Coupler

P/N: MZD130118GH



Description:

MZD130118GH is a 13dB single directional coupler with a typical insertion Loss of 0.9dB and a typical directivity of 16dB across the frequency range of 1 to 18GHz. 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 | | 1-18 | | GHz |
| Insertion Loss | | 0.9 | 1.2 | dB |
| Nominal Coupling | | 13 | | dB |
| Coupling Accuracy | | ±0.4 | ±0.7 | dB |
| Frequency Sensitivity | | ±0.8 | ±1.0 | dB |
| Directivity | 15 | 16 | | dB |
| VSWR | | 1.3 | 1.4 | - |
| Power Handling | | 20 | | W |
| Impedance | | 50 | | Ω |
| Connector | | SMA-Female | | |
| Material | | Aluminum | | |
| Weight | | 44.2g / 1.56 Ounces Max. | | |
| Finish | | Black Paint(Standard) | | |

Environmental Specifications:

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



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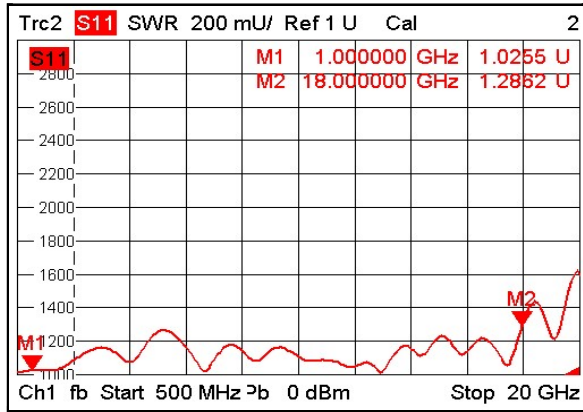
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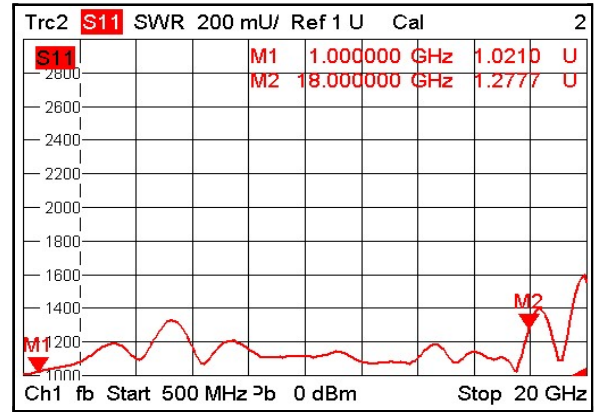


Typical Performance (Room Temp. +25°C, RH: 50%)

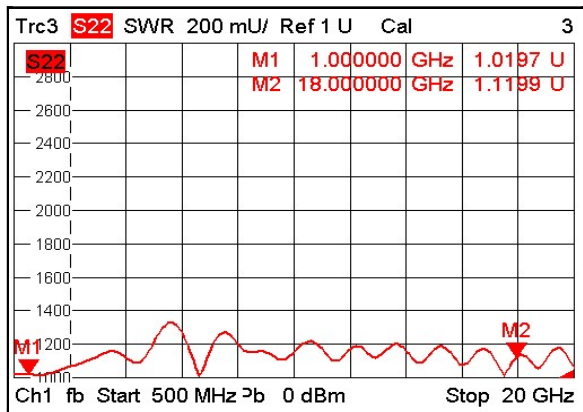
IN-Port VSWR



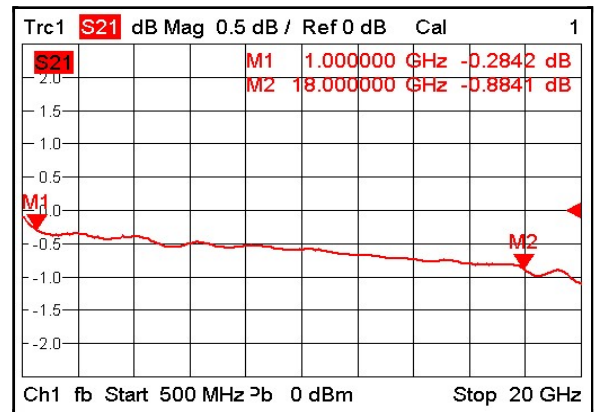
OUT-Port VSWR



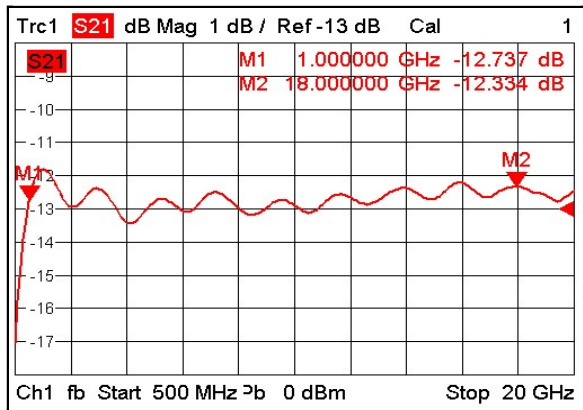
Coupling-Port VSWR



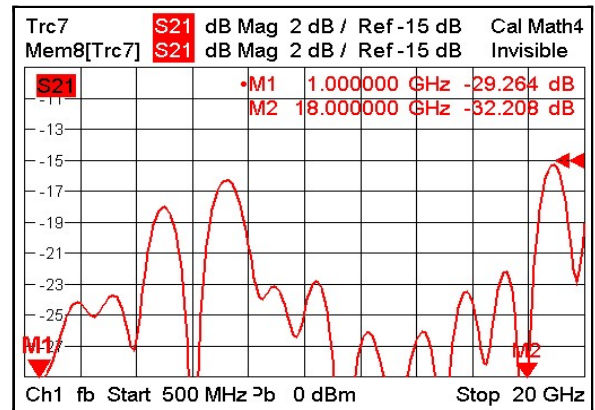
Insertion Loss



Coupling



Directivity



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