

DIRECTIONAL COUPLER

SMA Series
0.5-26.5GHz

Features

- ✓ Operating frequency range from 0.5-26.5GHz
- ✓ Full Frequency Bandwidth
- ✓ High Directivity



Specifications

FREQUENCY RANGE: 0.5-26.5GHz

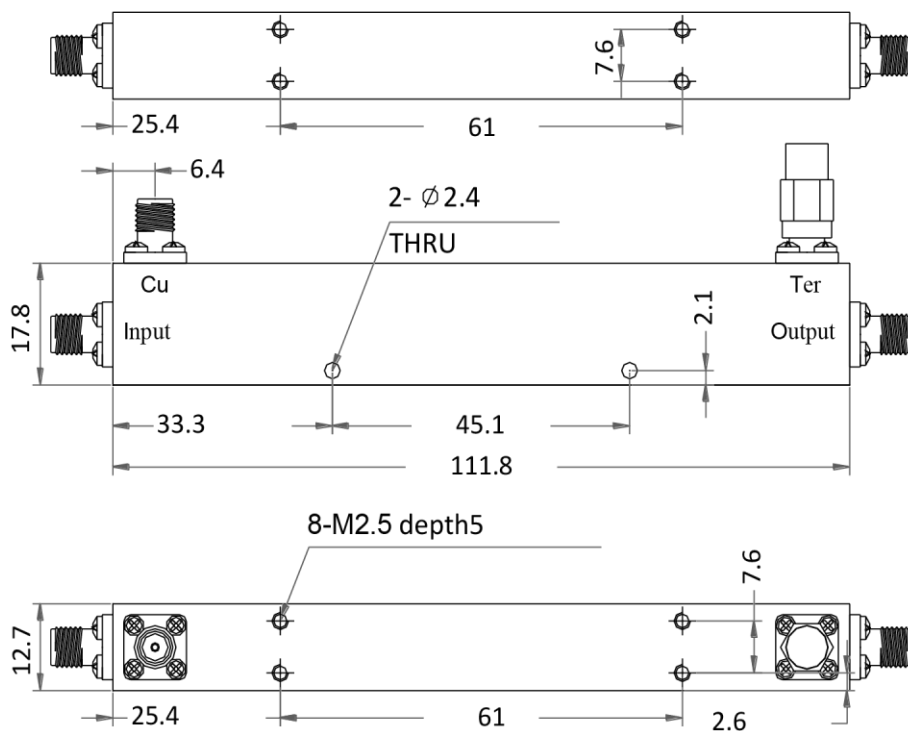
CONNECTOR TYPE: SMA FEMALE

OPERATION TEMPERATURE RANGE: -45°C~+85°C

PART NUMBER	FREQUENCY (GHz)	COUPLING VALUE	INSERTION LOSS	DIRECTIVITY	VSWR	POWER AVERAGE
MVE4861-10	0.5-26.5	10.0±1.0 dB	≤2.1dB	≥ 10dB	≤ 1.60	20Watts

Tolerance: X= ±0.5

Outline Drawing (Unit: mm)



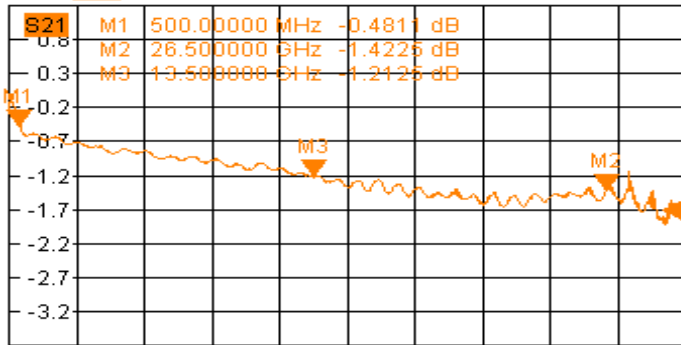
NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY



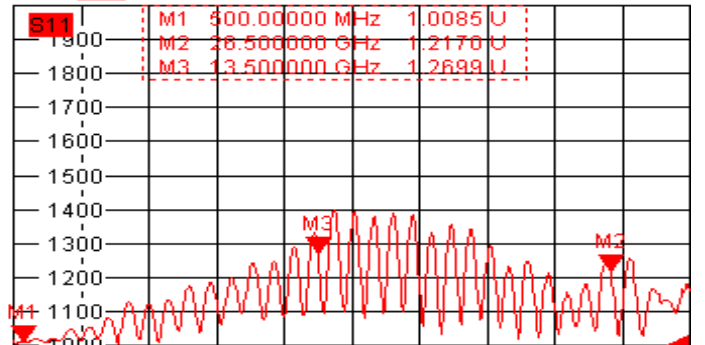
Typical Test Result

Trc1 **S21** dB Mag 0.5 dB / Ref -1.7 dB Cal 1



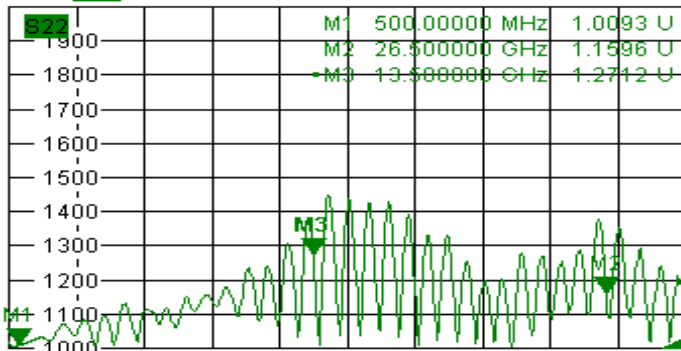
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc2 **S11** SWR 100 mU/ Ref1 U Cal 2



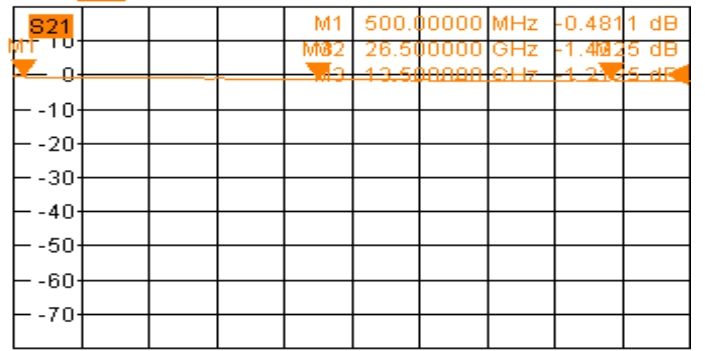
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc3 **S22** SWR 100 mU/ Ref1 U Cal 3



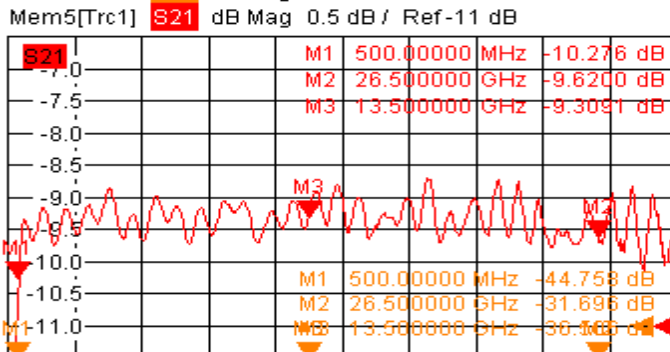
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc4 **S21** dB Mag 10 dB / Ref 0 dB Cal 4



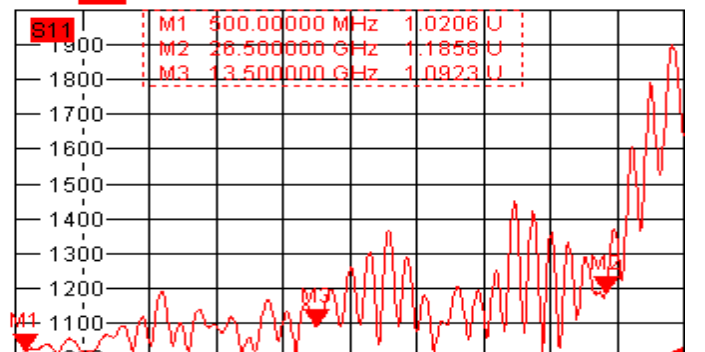
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc1 **S21** dB Mag 0.5 dB / Ref -11 dB Cal 1



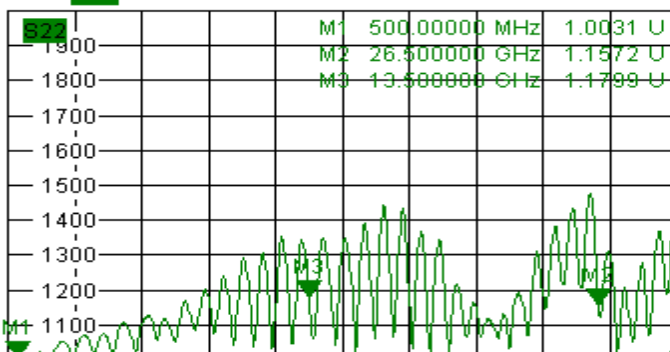
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc2 **S11** SWR 100 mU/ Ref1 U Cal 2



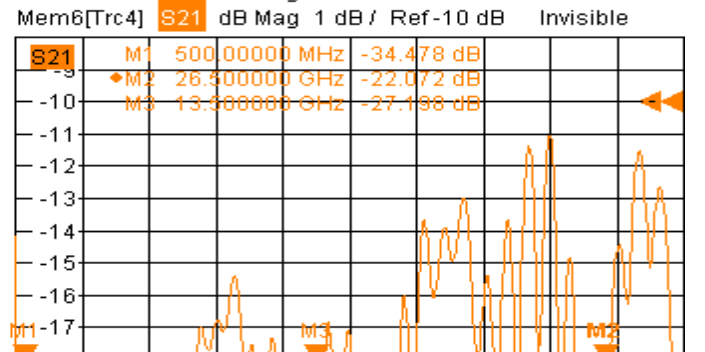
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc3 **S22** SWR 100 mU/ Ref1 U Cal 3



Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc4 **S21** dB Mag 1 dB / Ref -10 dB Cal Math 4



Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz