



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

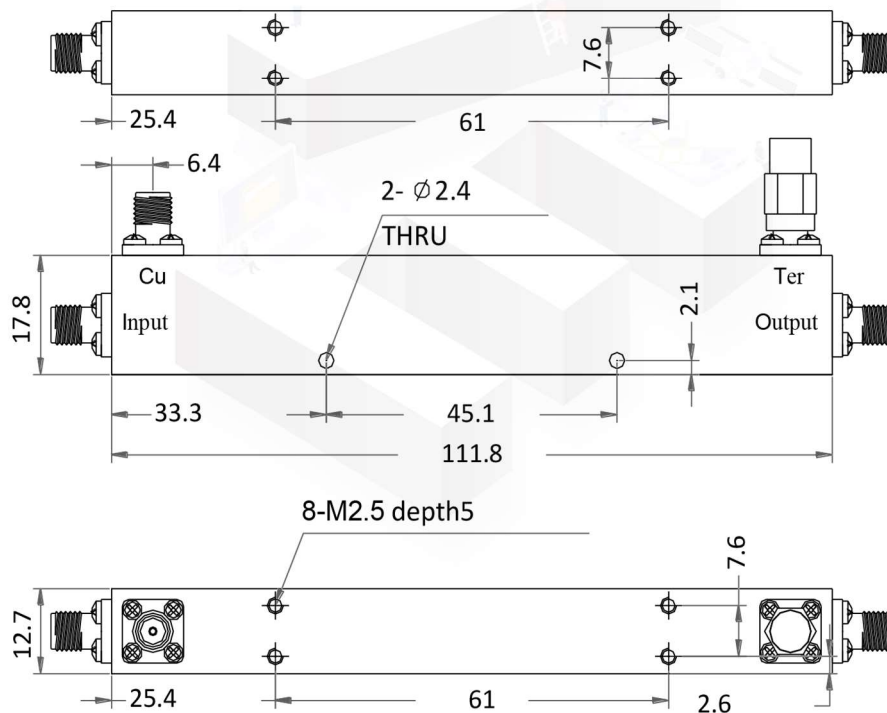
CONNECTOR TYPE: SMA FEMALE

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

PART NUMBER	FREQUENCY (GHz)	NOMINAL COUPLING (dB)	COUPLING SENSITIVITY (dB)	INSERTION LOSS (dB)	DIRECTIVITY (dB)	VSWR	POWER AVERAGE
MVE4861-10	0.5-26.5	10.0±1.0	≤ 1.5	≤2.1	≥ 10	≤ 1.60	20Watts

Tolerance: ±0.5mm

Outline Drawing (Unit: mm)



NOTES:

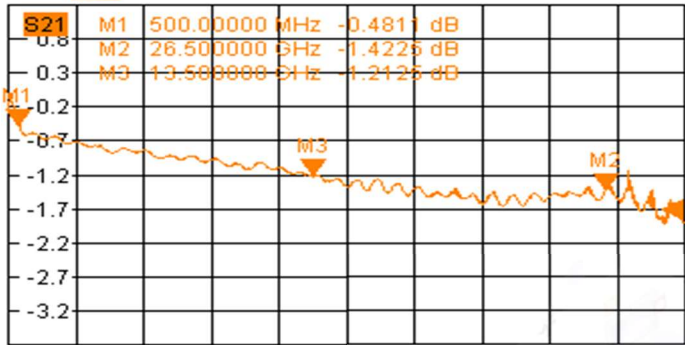
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY





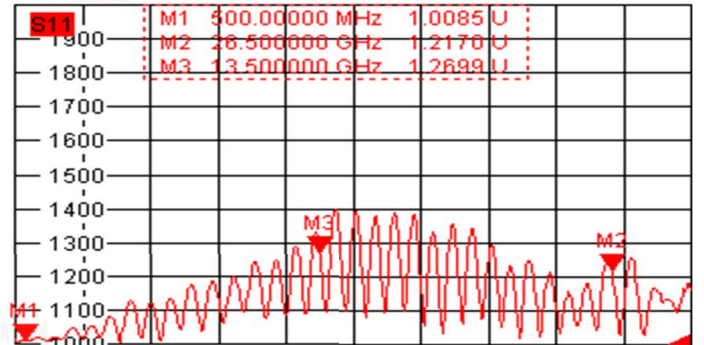
Typical Test Result

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



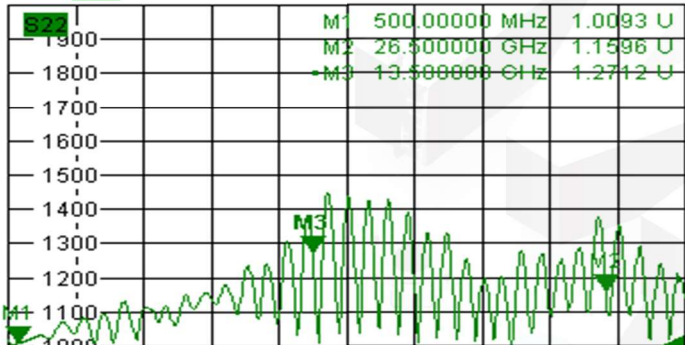
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

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



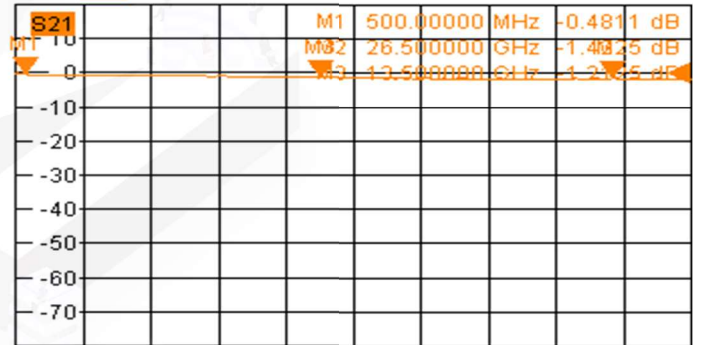
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

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



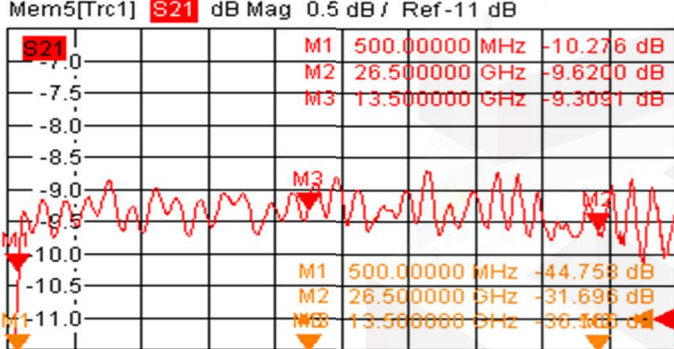
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

Trc4 **S21** dB Mag 10 dB / Ref0 dB Cal 4



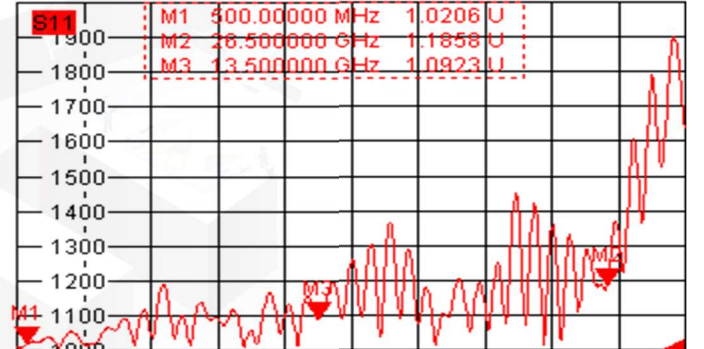
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

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



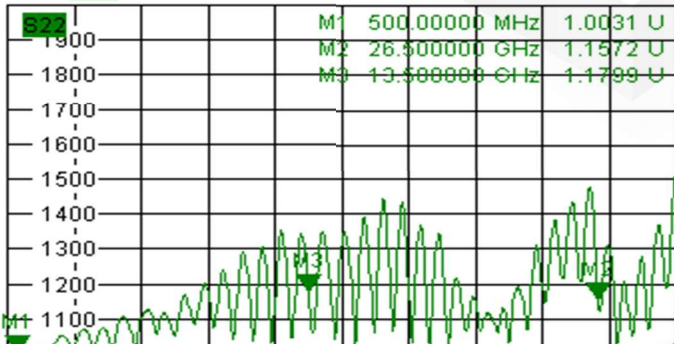
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

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



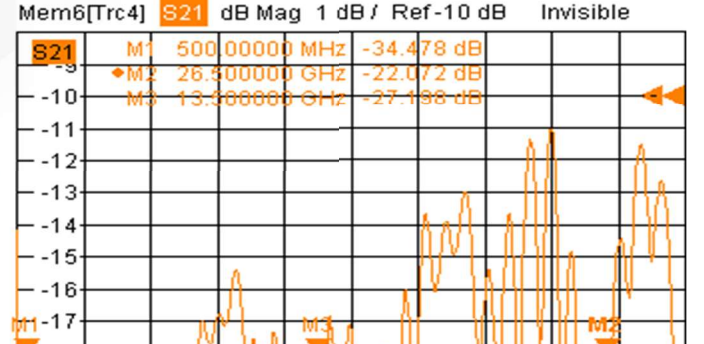
Ch1 fb Start 10 MHz Pb 0 dBm Stop 30 GHz

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