

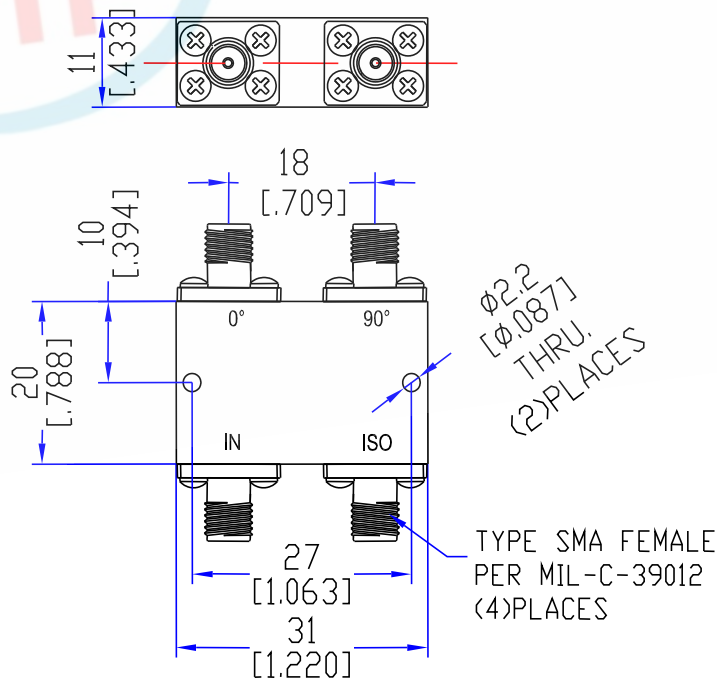
Model THC8085A

Features

- Excellent phase& amplitude balance
- Low Insertion Loss& VSWR
- High Isolation

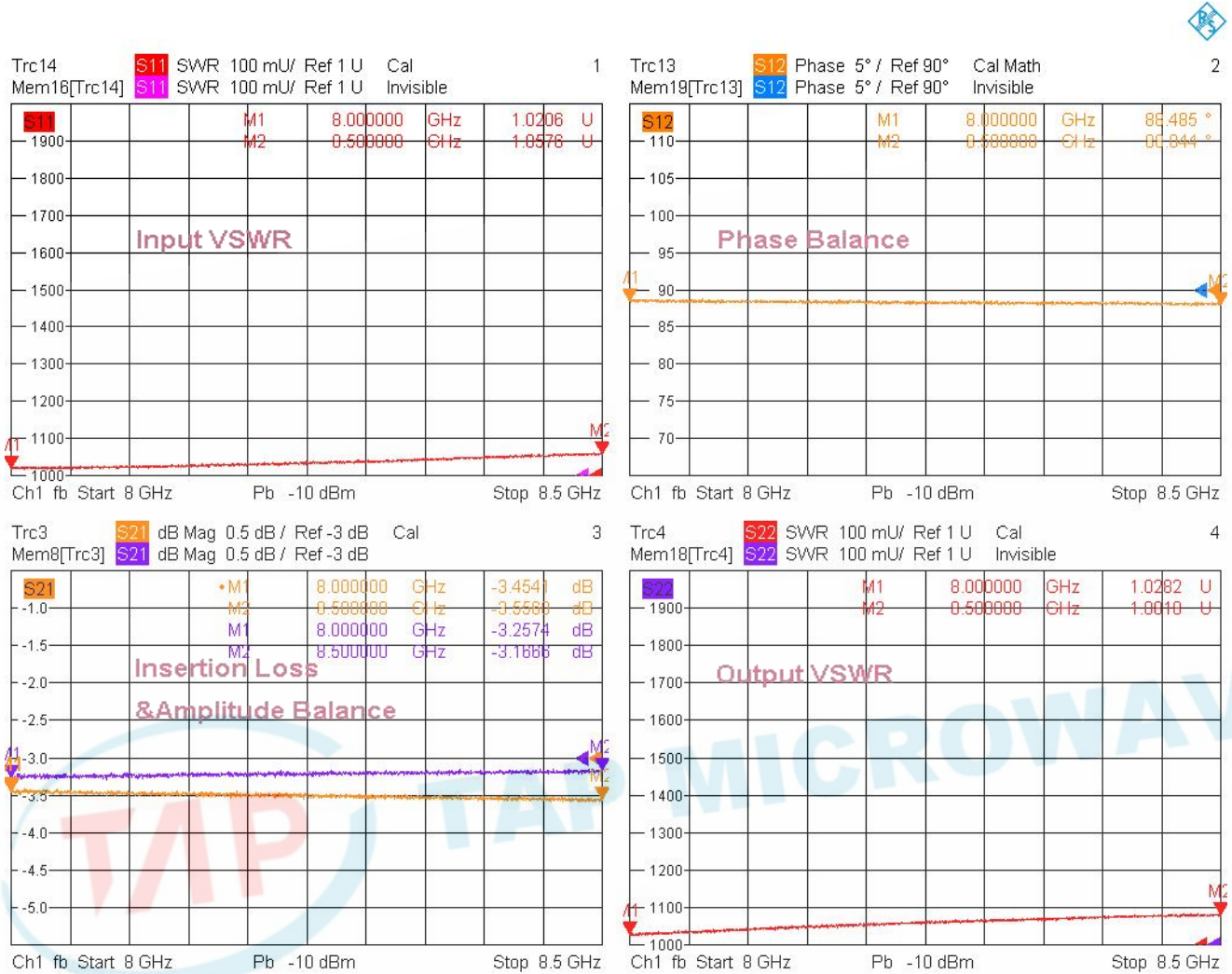
| Technical Data Sheet | | | |
|-----------------------------|------------------------------|-----------------------|------------------------------|
| Frequency Range | 8.0~8.5GHz | Finish | Painted Blue_ RAL #5007 |
| Nominal Split | 3.01dB | Connector Body | Passivated Stainless Steel |
| Insertion Loss | ≤0.9dB | Housing | Aluminum, 6061 T6 |
| Isolation | ≥18dB | | Clear Chem Conversion Film |
| Amplitude Balance | ≤±0.5dB | Connector Pin | Beryllium Copper, Gold Plate |
| Phase Balance | ≤±5° | Solder | Lead Free, RoHS Compliant |
| VSWR | ≤1.40:1 | Operating Temperature | -55~+85°C |
| ¹ Power Handling | Average ≤50Watt Peak ≤1KW | Operating Humidity | Up to 95%, Non- Condensing |
| Impedance | 50Ω | Weight | 30g |
| Port Connectors | SMA-Female | | |

¹Power Handling guaranteed when load's VSWR within 1.50:1.



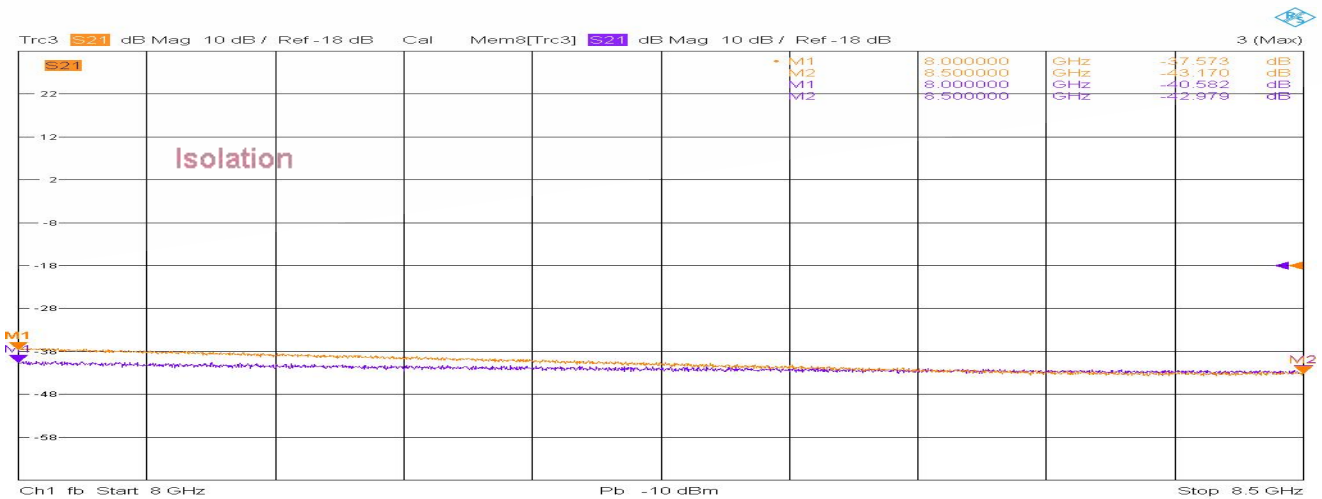
Typical Performance

1. Insertion Loss, Amplitude & Phase Balance, VSWR



1/2/2025, 3:48 PM

2. Isolation



1/2/2025, 3:53 PM

