

## Model THC50110S2

### Features

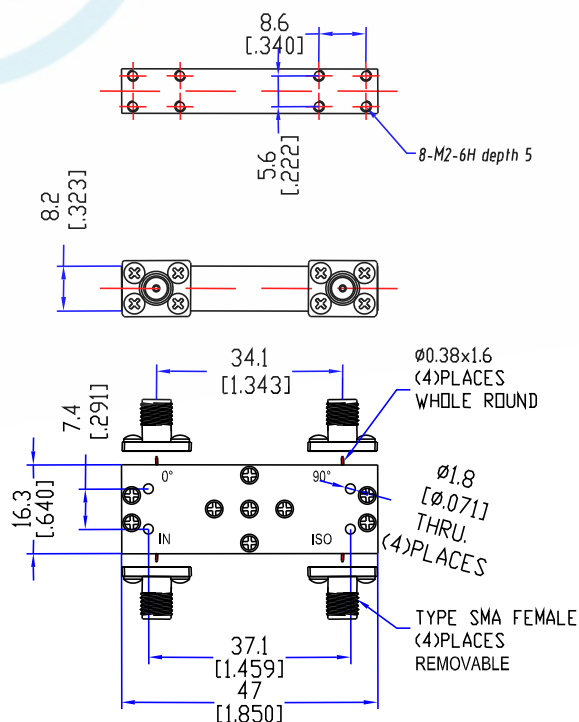
Excellent phase& amplitude balance

Low Insertion Loss& VSWR

High Isolation

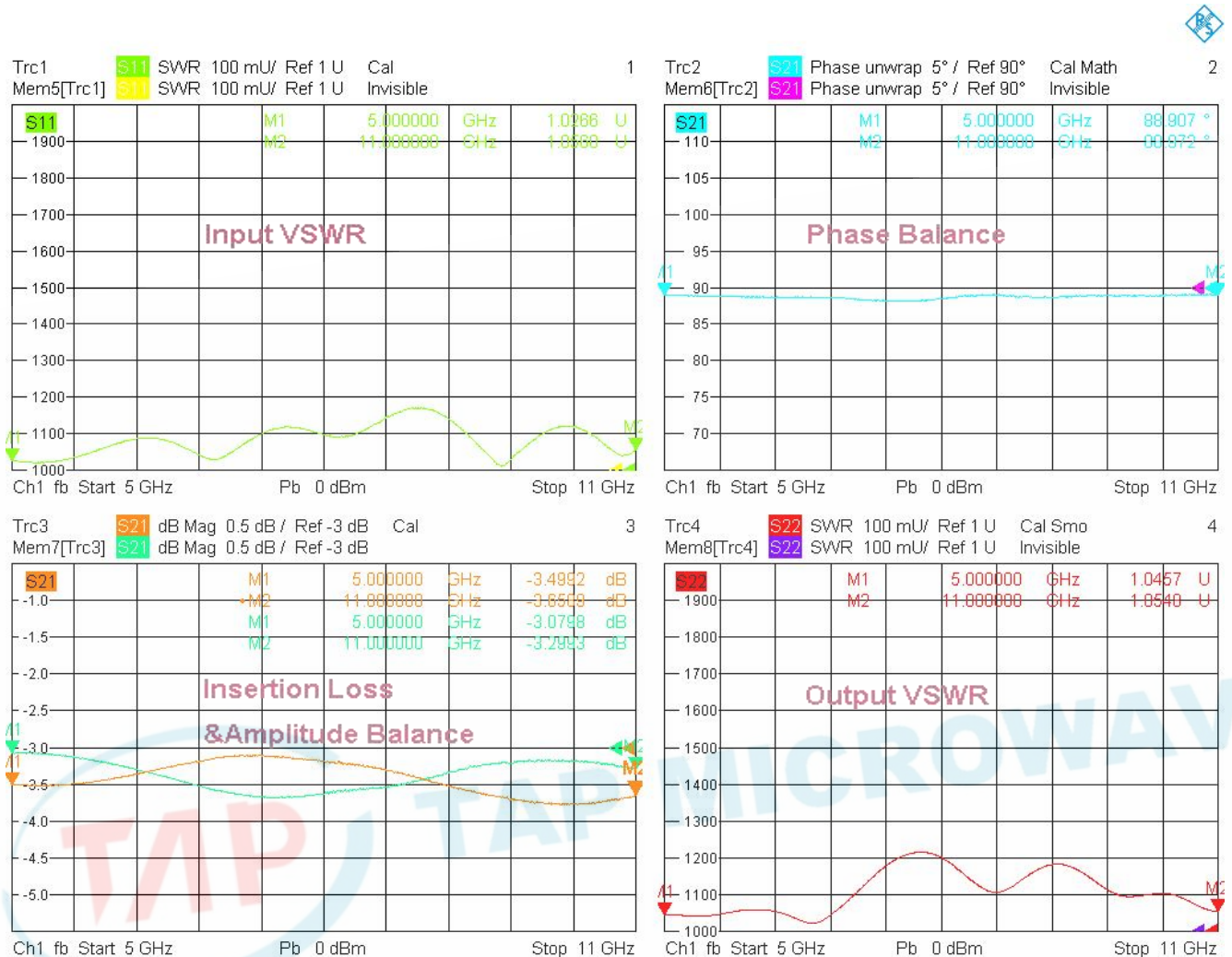
| Technical Data Sheet        |                                                                   |                       |                                                 |
|-----------------------------|-------------------------------------------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 5~11GHz                                                           | Finish                | Natural oxygen                                  |
| Nominal Split               | 3.01dB                                                            | Connector Body        | Passivated Stainless Steel                      |
| Insertion Loss              | ≤1.0dB                                                            | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥20dB                                                             |                       |                                                 |
| 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℃                                        |
| <sup>1</sup> Power Handling | Average ≤50Watt<br>Peak ≤1KW                                      | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                                                               | Weight                | 30g                                             |
| Port Connectors             | Drop-in Φ0.381x1.6mm<br>Whole Round Pin<br>(SMA-Female removable) |                       |                                                 |

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.



## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR

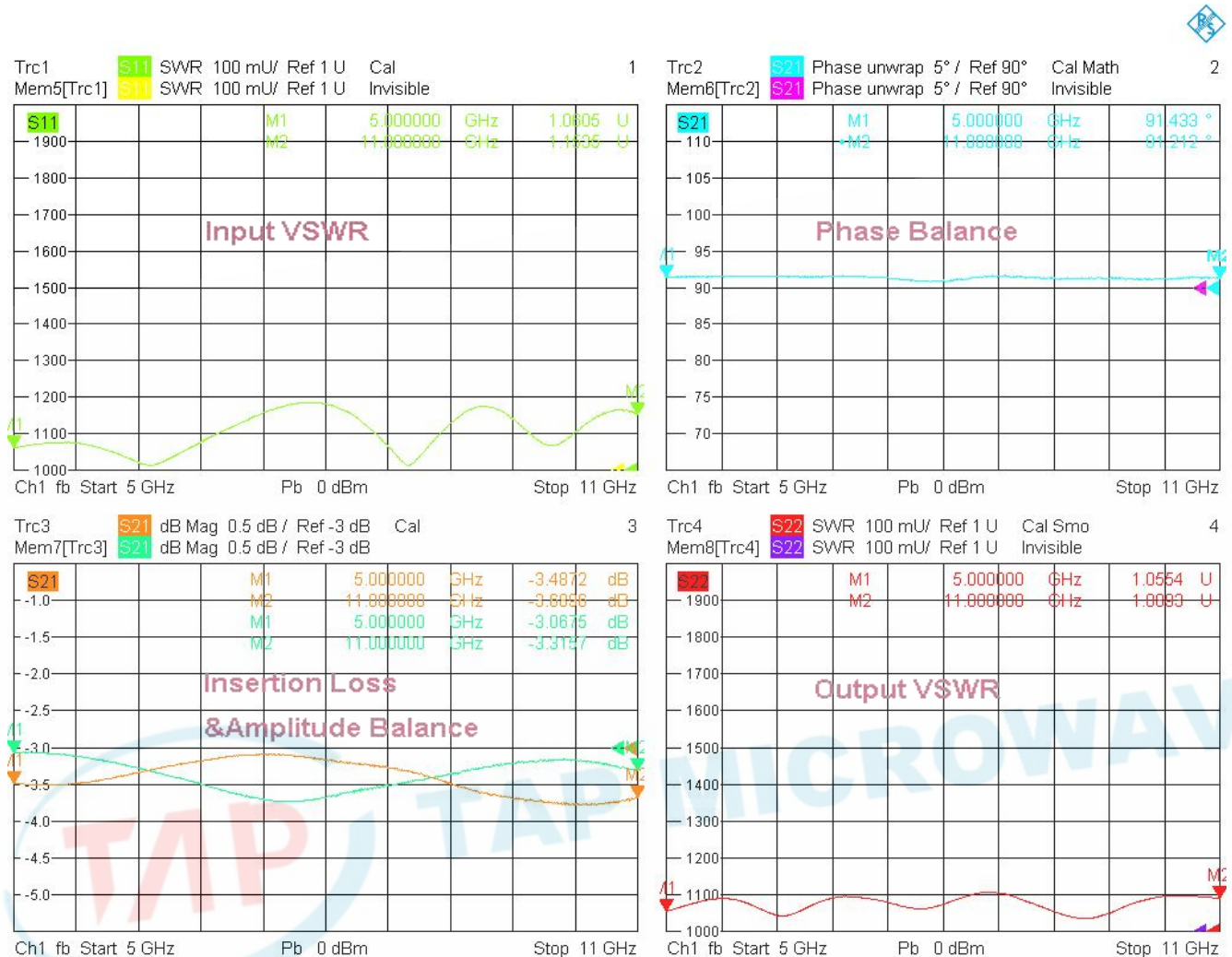


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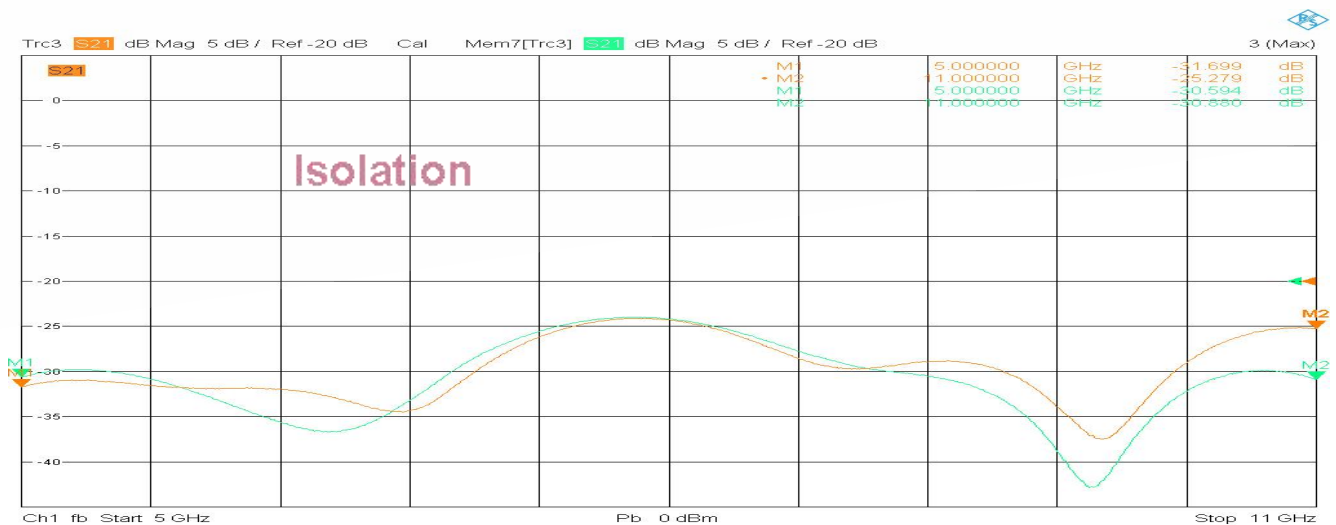
## Typical Performance

### 2. Insertion Loss, Amplitude & Phase Balance, VSWR



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### 3. Isolation



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