

## Model THC0404BN1

### Features

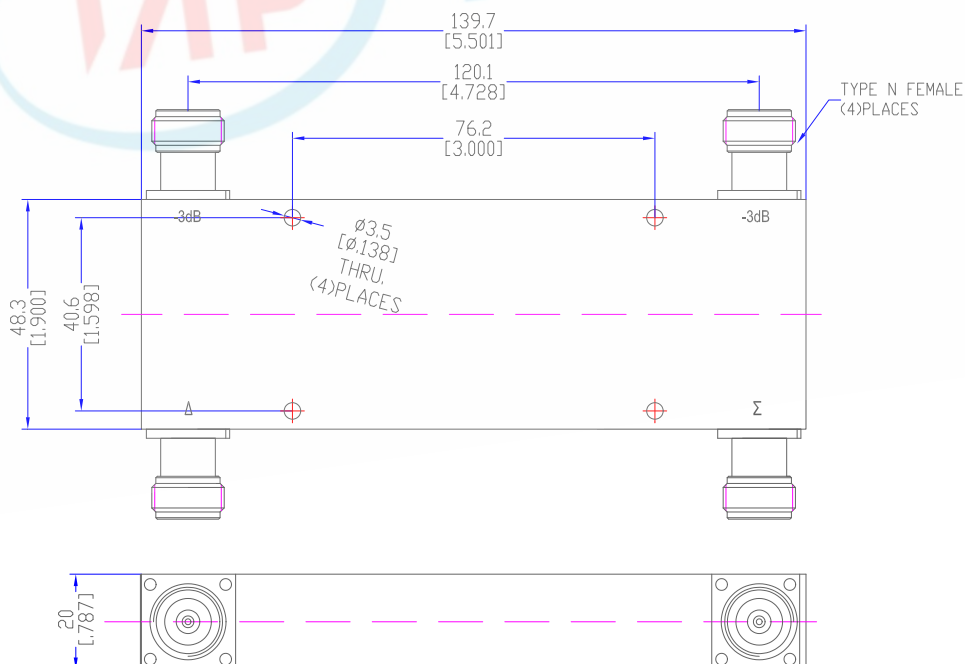
Excellent phase& amplitude balance

Low Insertion Loss& VSWR

High Isolation

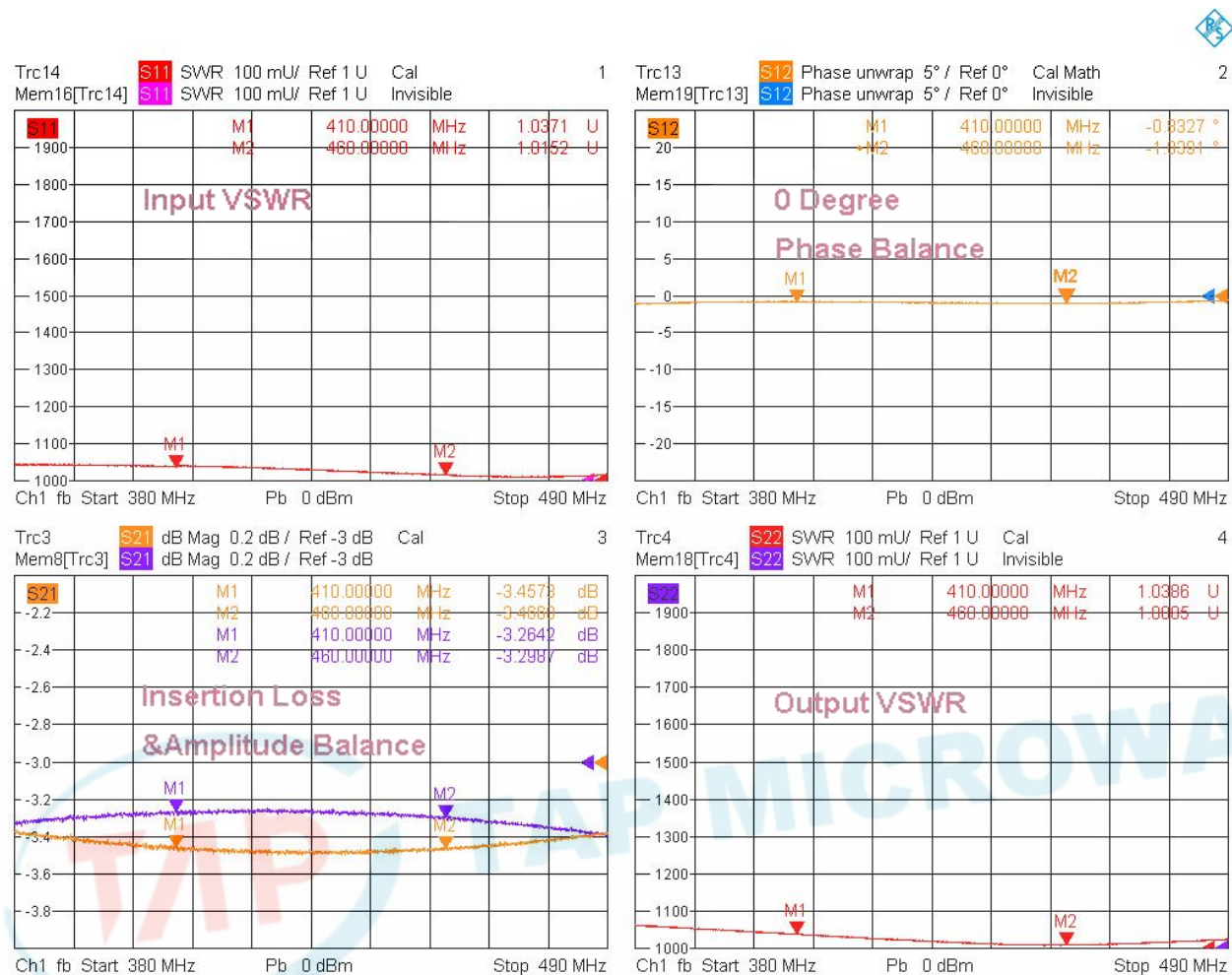
| Technical Data Sheet        |                              |                       |                                                 |
|-----------------------------|------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 410~460MHz                   | Finish                | Painted Blue_ RAL #9005                         |
| Nominal Split               | 3.01dB                       | Connector Body        | Brass, Tri-Alloy Plate                          |
| Insertion Loss              | ≤0.5dB                       | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥25dB                        |                       |                                                 |
| Amplitude Balance           | ≤±0.2dB                      | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Phase Balance               | ≤±1°                         | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | ≤1.20:1                      | Operating Temperature | -40~+70℃                                        |
| <sup>1</sup> Power Handling | Average ≤30Watt<br>Peak ≤3KW | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                          | Weight                | 430g                                            |
| Port Connectors             | N-Female                     |                       |                                                 |

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



## Typical Performance

### 1. Insertion Loss, Amplitude & Phase Balance, VSWR<sub>0°</sub>

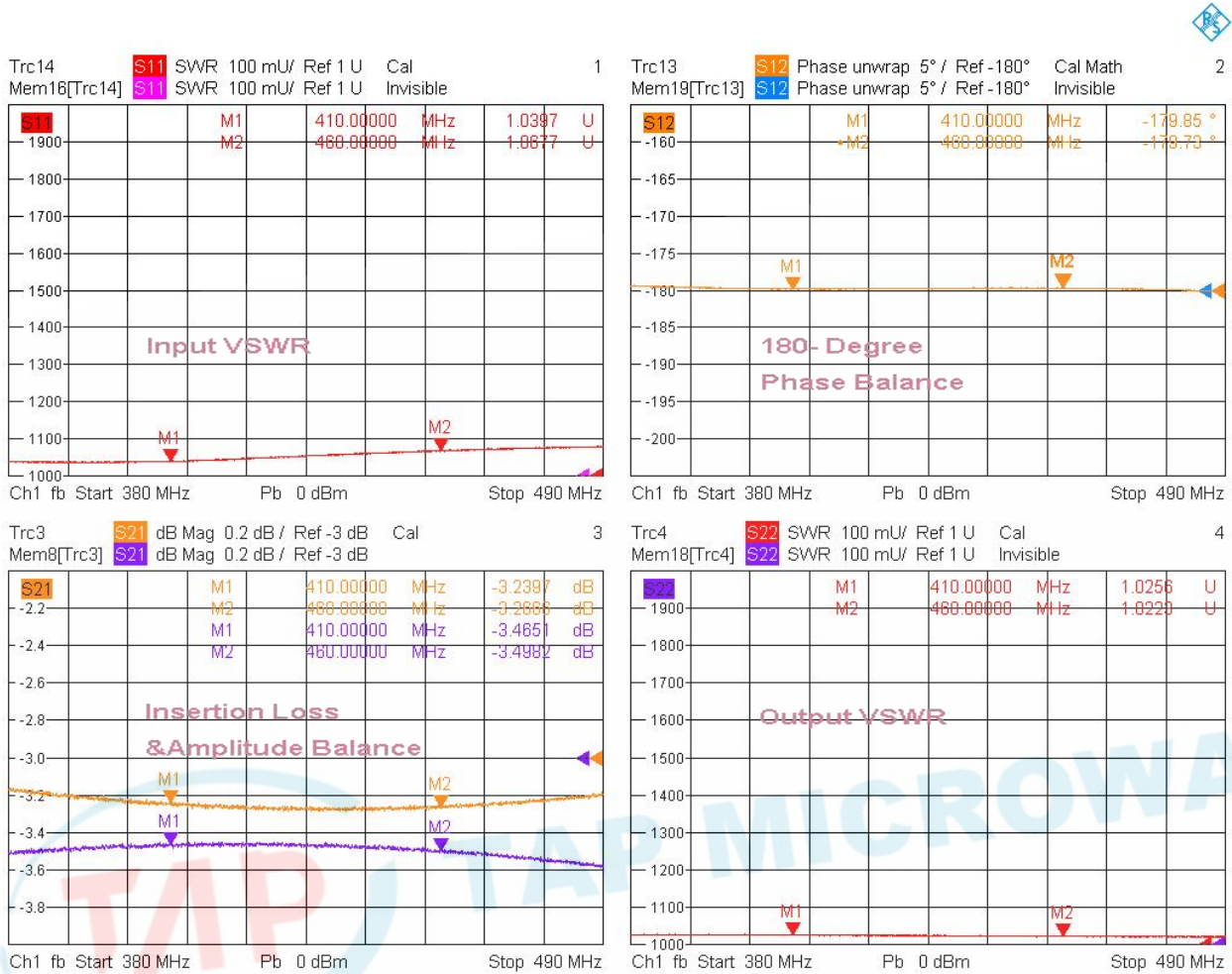


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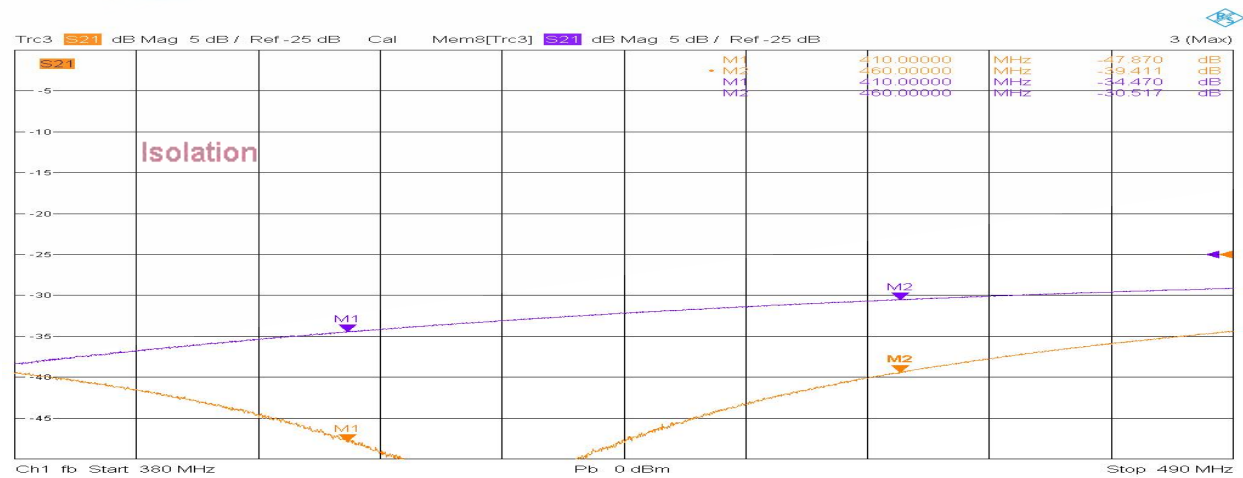
## Typical Performance

### 2. Insertion Loss, Amplitude & Phase Balance, VSWR<sub>180°</sub>



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### 3. Isolation



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