

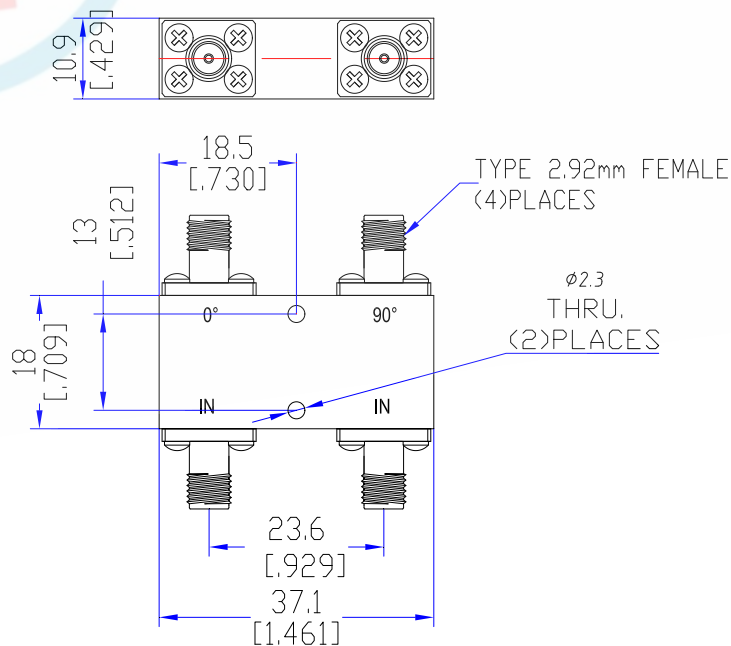
## Model THC170400A

### Features

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

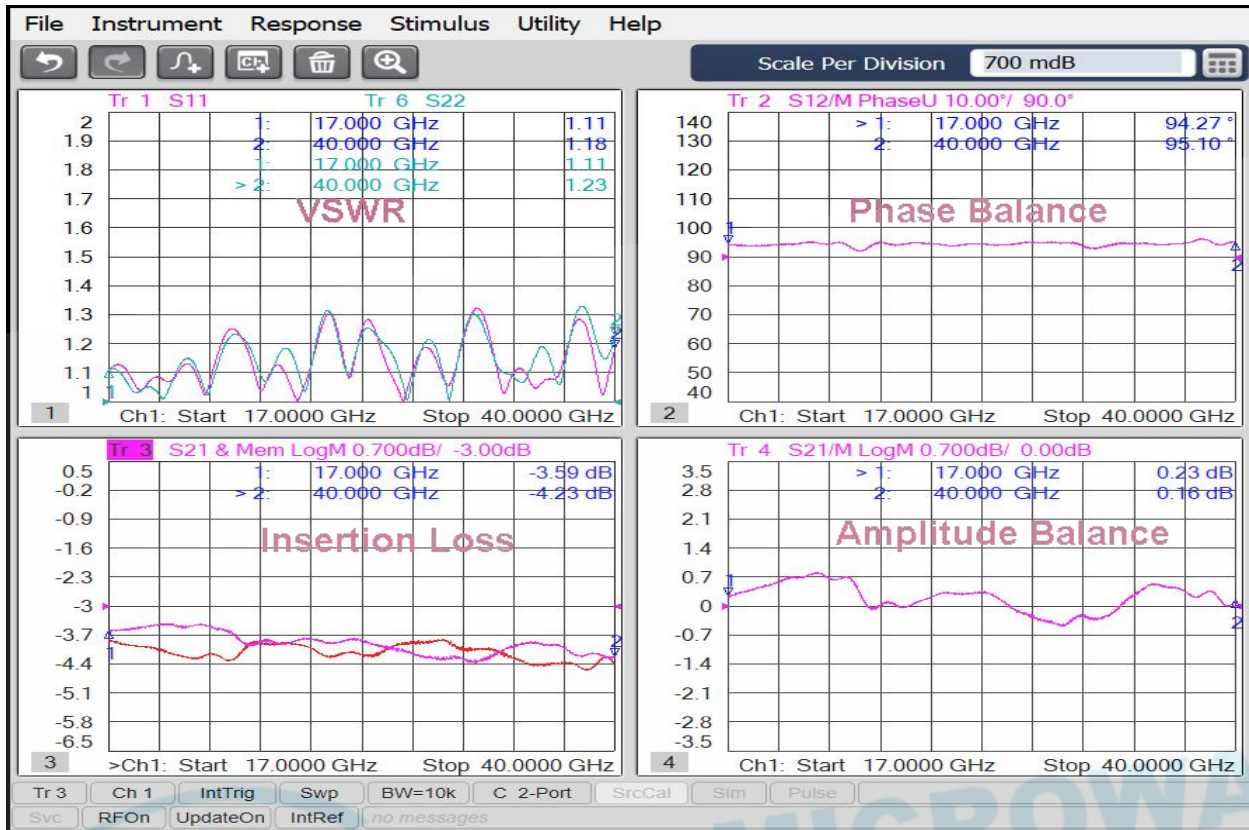
| Technical Data Sheet        |                              |                       |                                                 |
|-----------------------------|------------------------------|-----------------------|-------------------------------------------------|
| Frequency Range             | 17~40GHz                     | Finish                | Painted Blue_ RAL #5007                         |
| Nominal Split               | 3.01dB                       | Connector Body        | Passivated Stainless Steel                      |
| Insertion Loss              | ≤1.8dB                       | Housing               | Aluminum, 6061 T6<br>Clear Chem Conversion Film |
| Isolation                   | ≥14dB                        |                       |                                                 |
| Amplitude Balance           | ≤±0.7dB                      | Connector Pin         | Beryllium Copper, Gold Plate                    |
| Phase Balance               | ≤±10°                        | Solder                | Lead Free, RoHS Compliant                       |
| VSWR                        | ≤1.60:1                      | Operating Temperature | -55~+85℃                                        |
| <sup>1</sup> Power Handling | Average ≤10Watt<br>Peak ≤1KW | Operating Humidity    | Up to 95%,Non- Condensing                       |
| Impedance                   | 50Ω                          | Weight                | 30g                                             |
| Port Connectors             | 2.92mm-Female                |                       |                                                 |

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



## Typical Performance

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



### 2. Isolation

