

## Model TPD0418N8HA

### Features

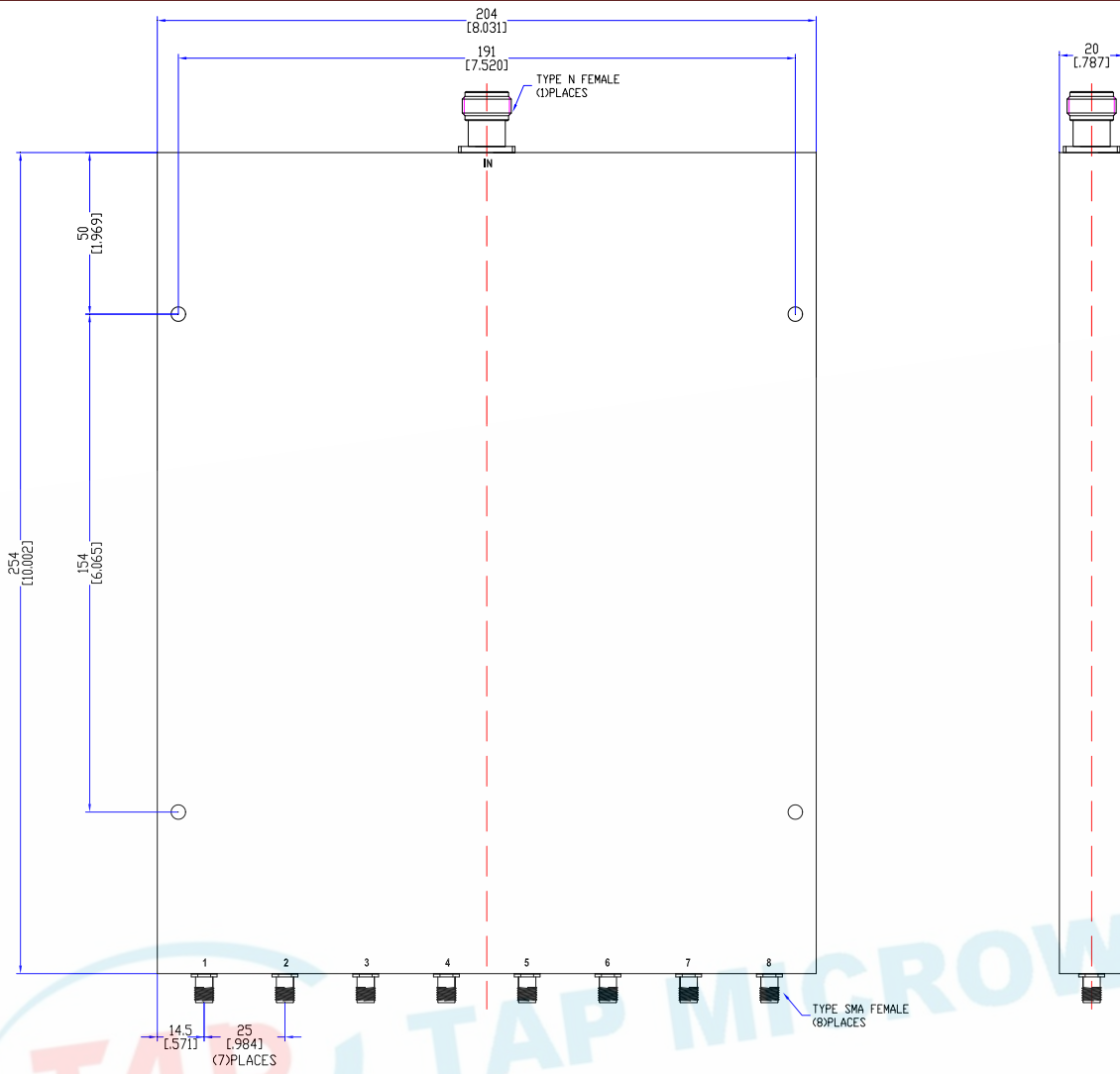
Excellent phase & amplitude balance  
Low Insertion Loss & VSWR  
High Isolation

Technical Data Sheet			
Frequency Range	0.4~1.8GHz	Finish	Natural oxygen
Insertion Loss	≤1.5dB@0.6-1.8GHz ≤1.0dB@0.4-0.6GHz (Above 9.03dB Split)	Connector Body	Brass, Tri-Alloy Plate
VSWR	Input ≤1.60:1 Output ≤1.40:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥18dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.5dB	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±5°	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Forward ≤150Watt; Reversed ≤10Watt	Operating Humidity	Up to 95%, Non-Condensing
Impedance	50Ω	Weight	
Port Connectors	Input: N-Female Output: SMA-Female	Dimension Of Resistance	2520

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

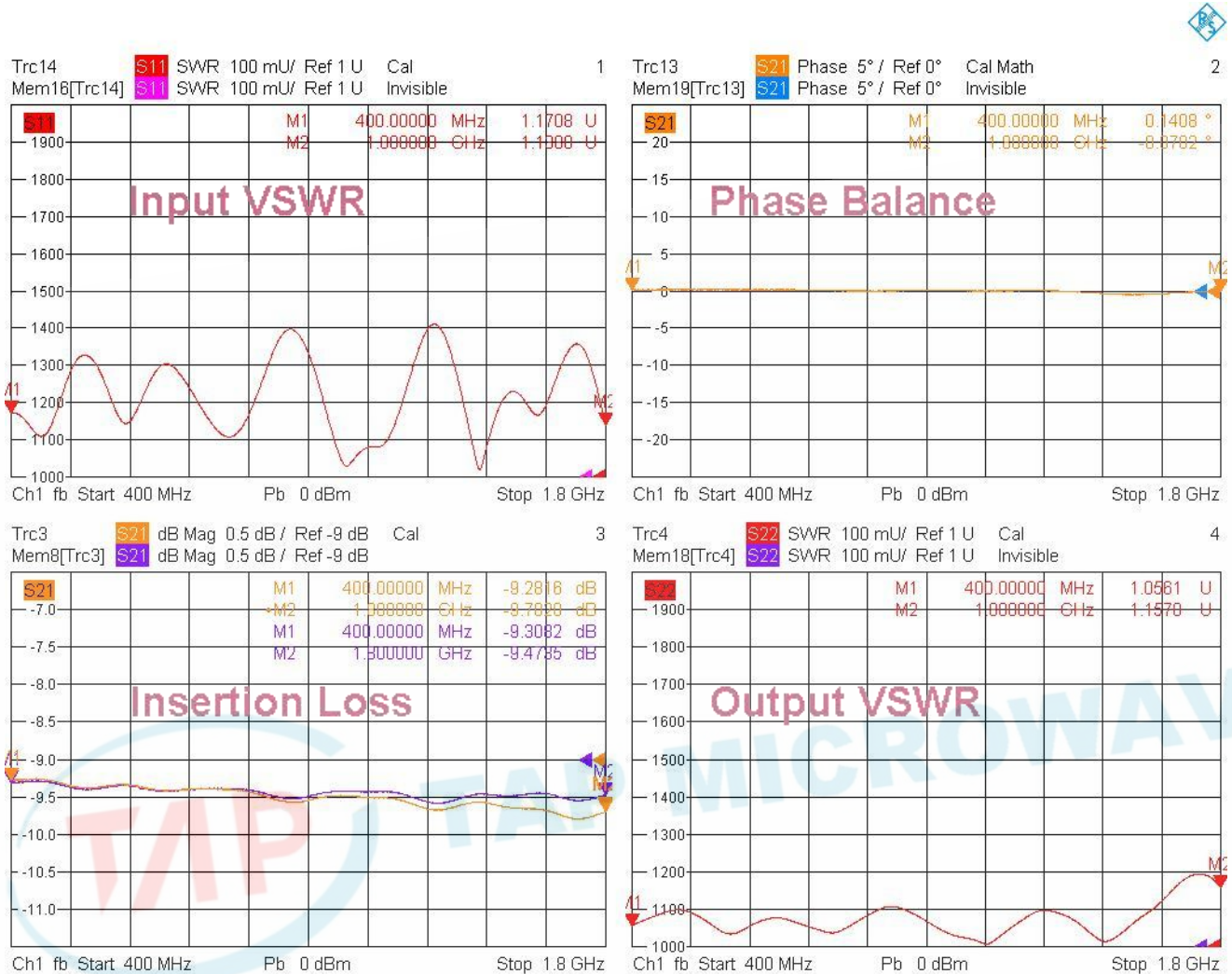
**Outline Drawing(Next Page)**





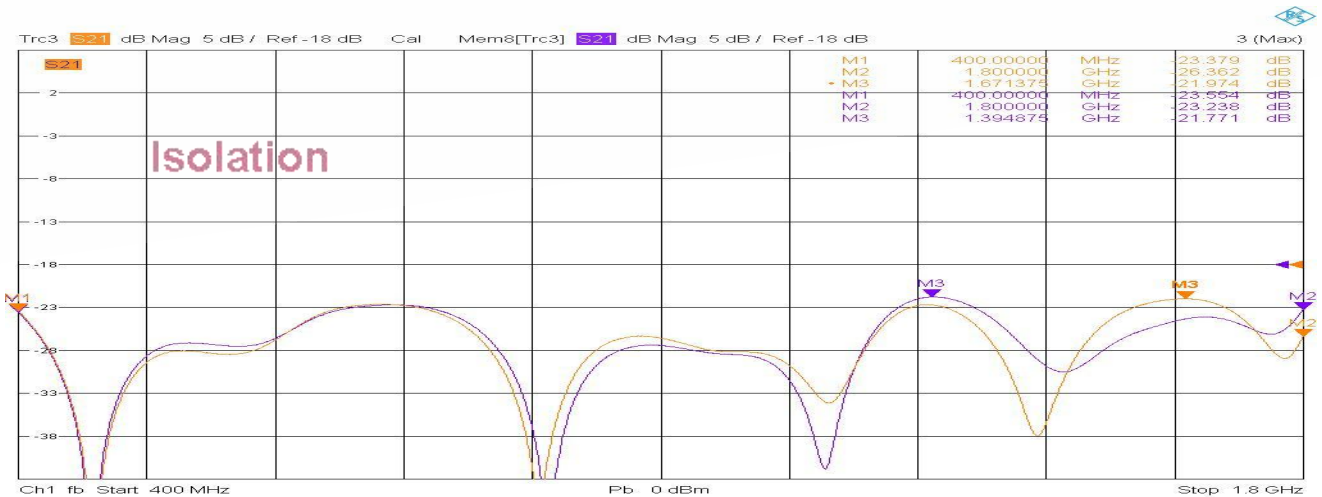
## Typical Performance

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



3/10/2024, 2:02 PM

### 2. Isolation



3/10/2024, 2:17 PM

