

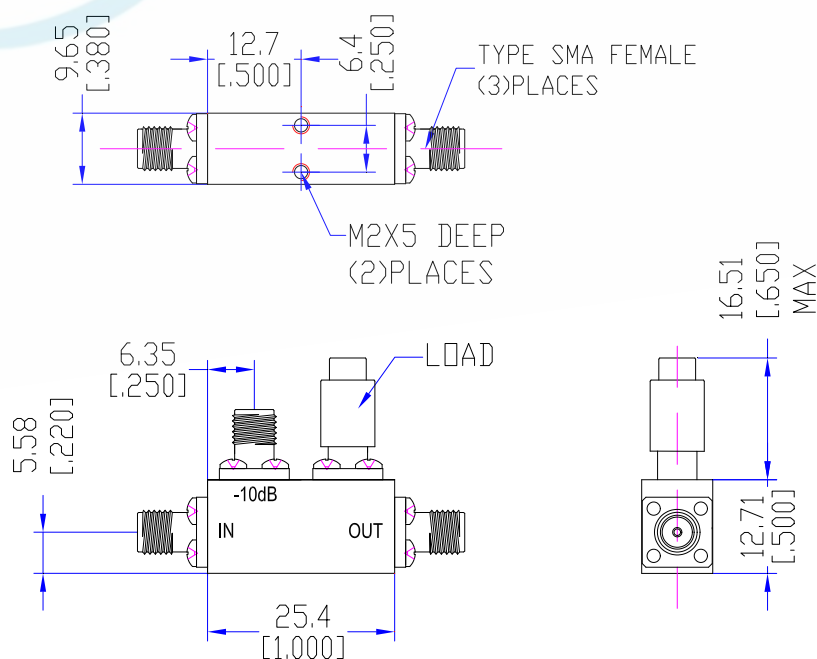
## Model TDC107130A10AE

### Features

- Low VSWR
- High Directivity
- Broadband & Miniature Size

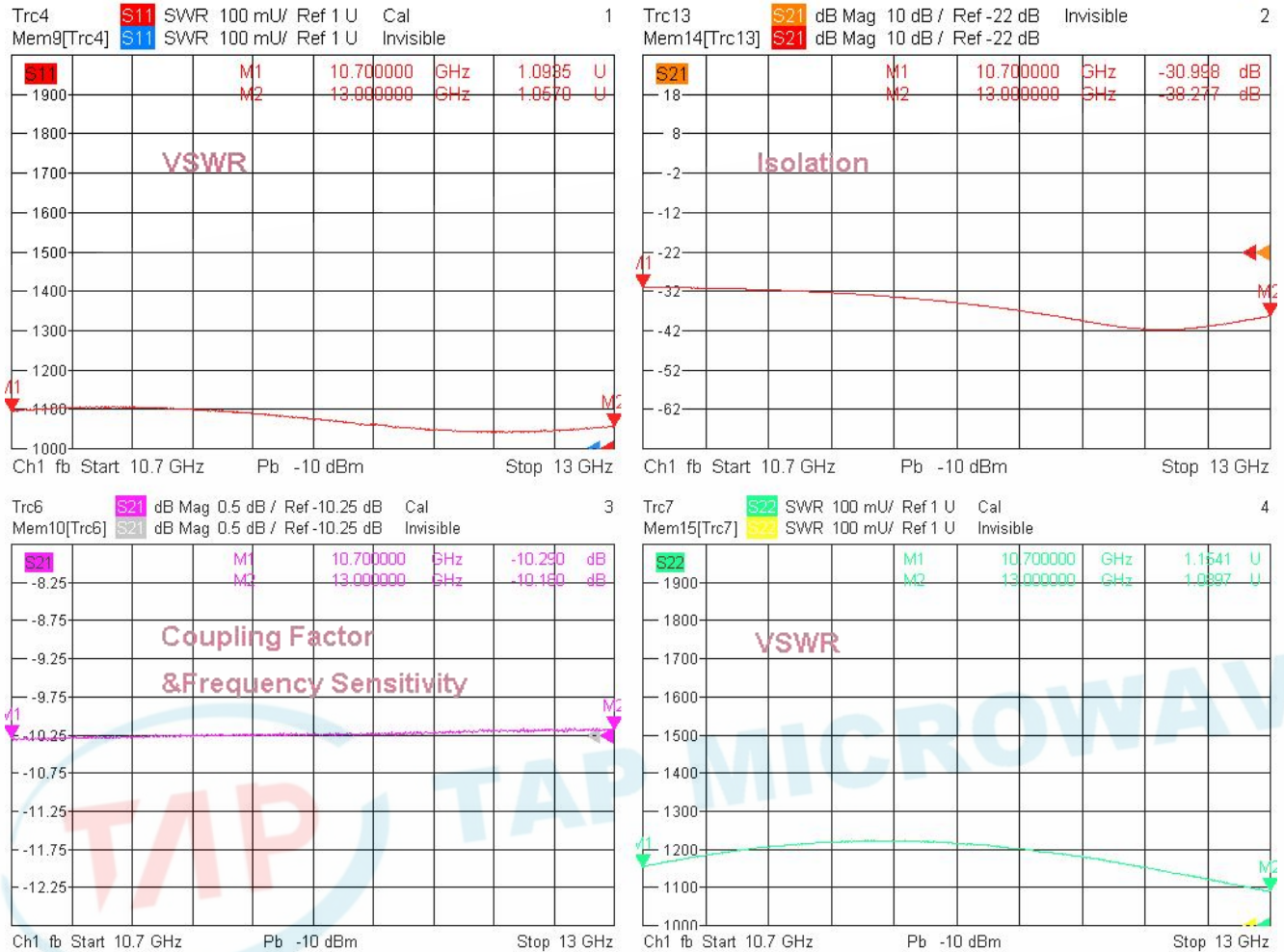
Technical Data Sheet			
Frequency Range	10.7~13GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.6dB (Excl. Coupling Loss 0.46dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤10±0.5dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.5dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥12dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.40:1 Secondary ≤1.40:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	20g
Port Connectors	SMA-Female		

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



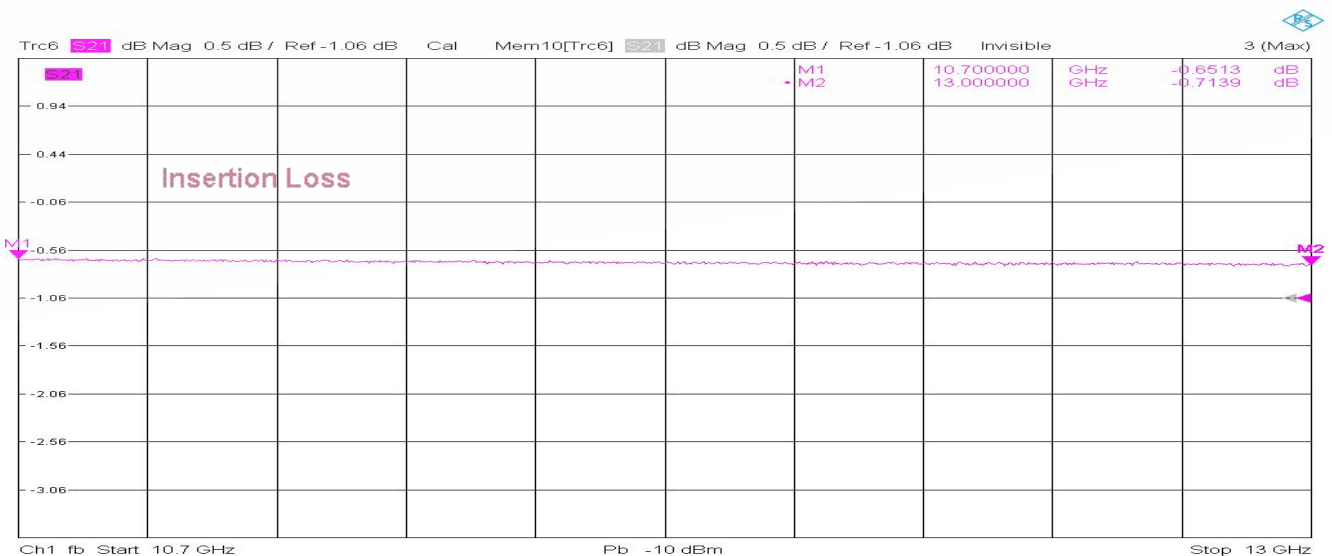
# Typical Performance

## 1. Coupling Factor & Sensitivity, Isolation, VSWR



8/22/2024, 2:04 PM

## 2. Insertion Loss



8/22/2024, 2:05 PM

