

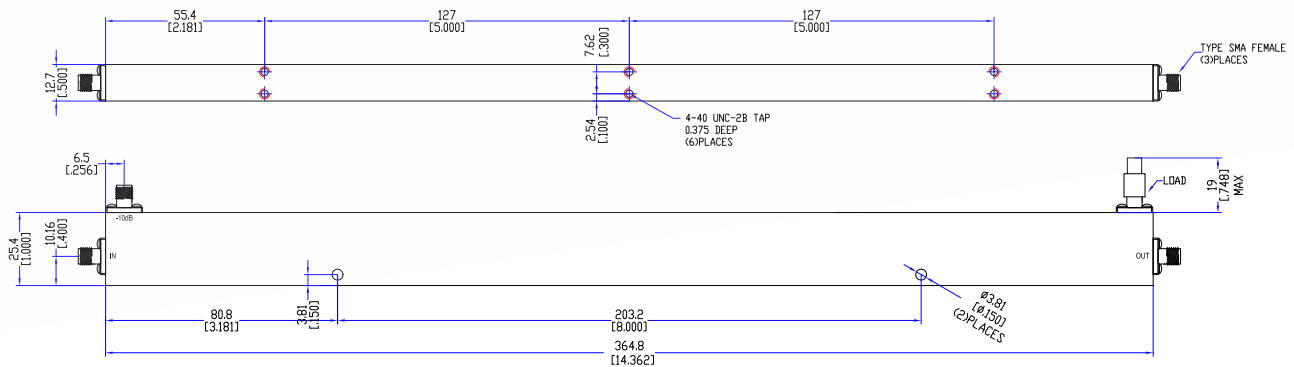
## Model TDC01180A10

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

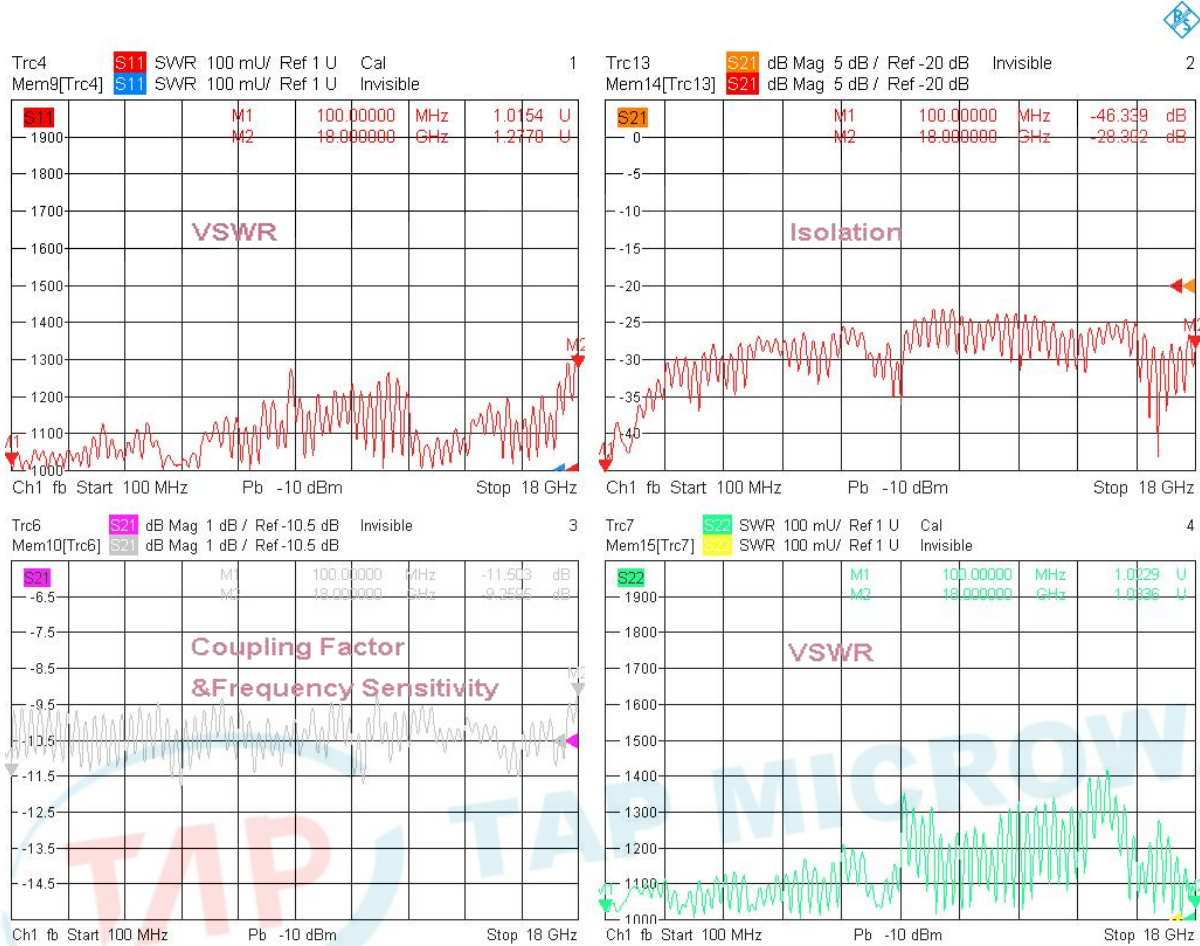
Technical Data Sheet (Specifications @ 25 °C)			
Frequency Range	0.1~18GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤2.5dB (Excl. Coupling Loss 0.46dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤10±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1.7dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥10dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.60:1 Secondary ≤1.60:1	Operating Temperature	-45~+85°C (Specifications Will Vary Over Temperature)
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤20Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	330g
Port Connectors	SMA-Female		

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



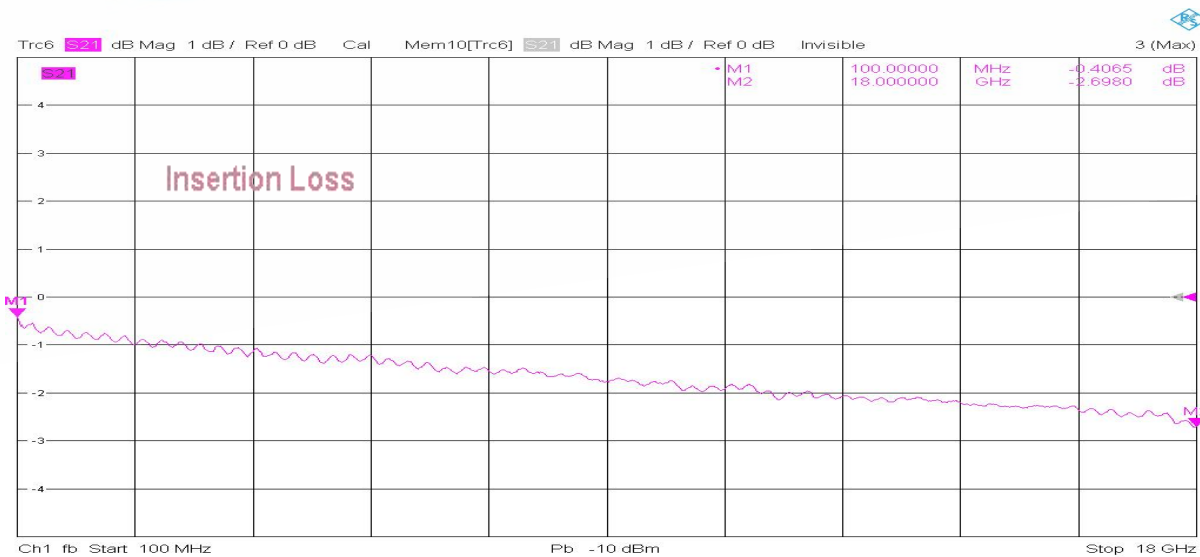
## Typical Performance

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



3/5/2024, 9:12 AM

### 2. Insertion Loss



3/5/2024, 9:12 AM

