

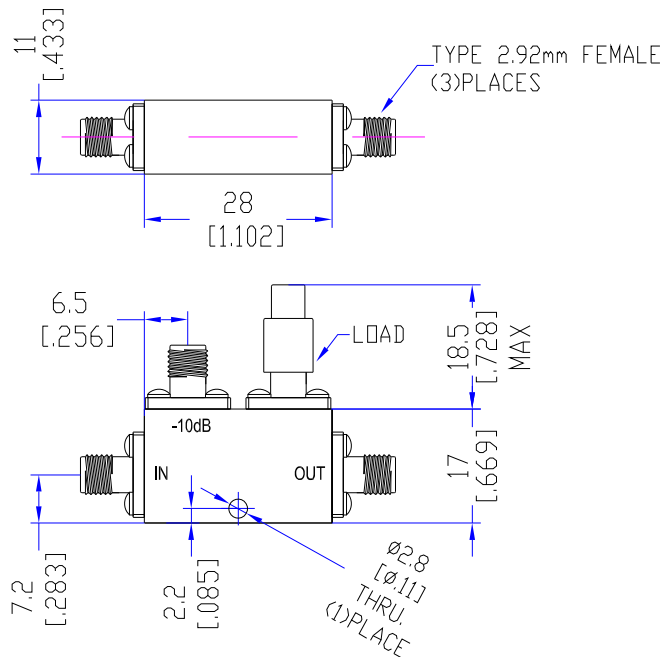
## Model TDC180310A10

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

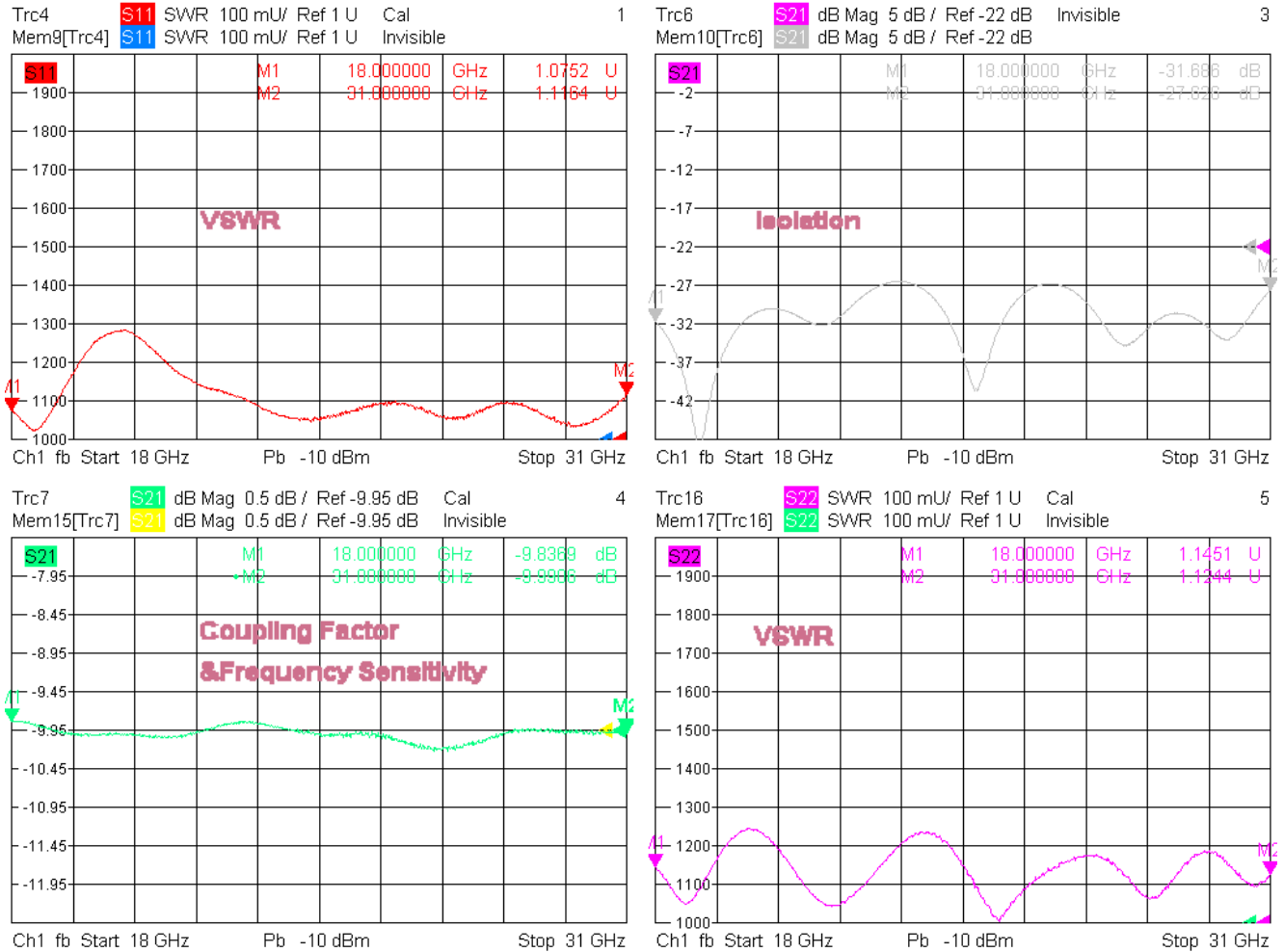
Technical Data Sheet			
Frequency Range	18~31GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.0dB (Excl. Coupling Loss 0.46dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤10±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±1.0dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥12dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.60:1 Secondary ≤1.60:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Incident ≤30Watt; Reflected ≤1Watt	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.



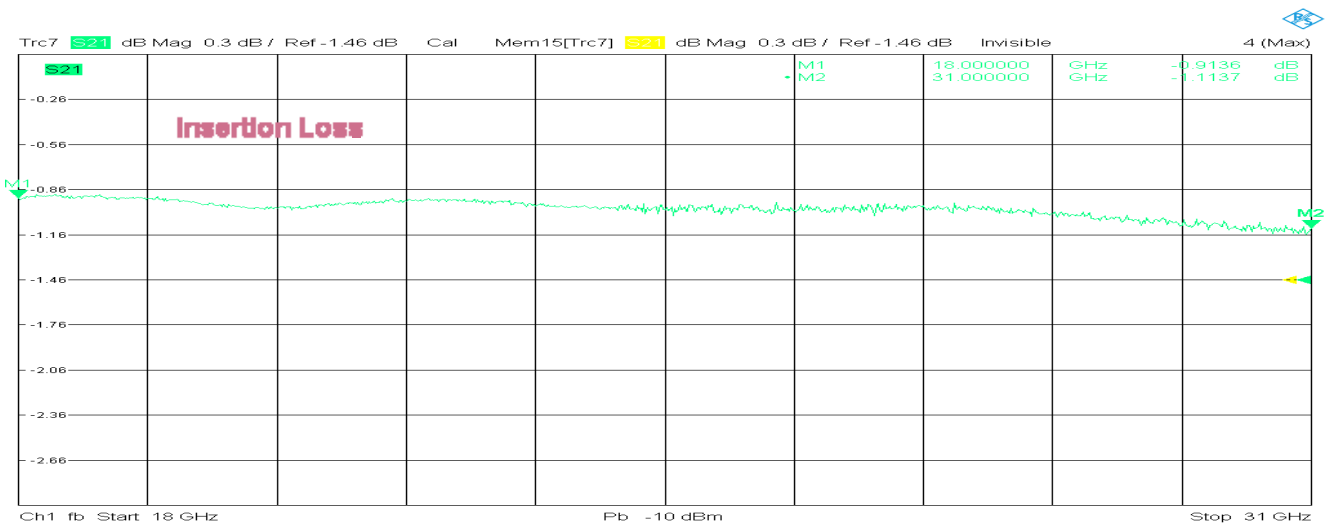
# Typical Performance

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



3/21/2022, 9:29 AM

## 2. Insertion Loss



3/21/2022, 9:30 AM

