

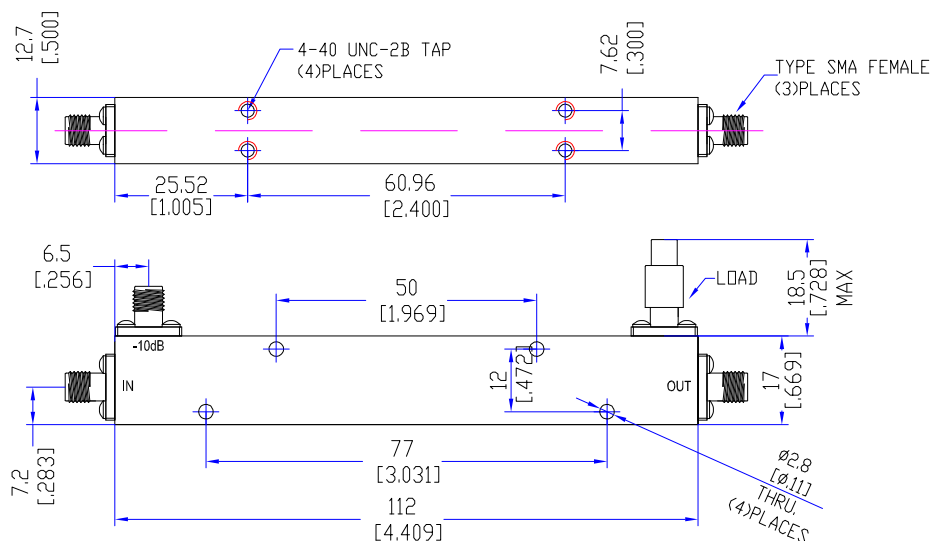
## Model TDC0365A10

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	0.375~6.5GHz	Port Connectors	SMA-Female
Insertion Loss	≤0.7dB (Excl. Coupling Loss 0.46dB)	Finish	Painted Blue_ RAL #5007
Coupling Factor	≤10±1.0dB	Connector Body	Passivated Stainless Steel
Coupling Sensitivity	≤±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Directivity	≥15dB	Connector Pin	Beryllium Copper, Gold Plate
Insertion Loss Consistency	≤±0.1dB	Solder	Lead Free, RoHS Compliant
Coupling Sensitivity Consistency	≤±0.25dB	Operating Temperature	-55~+85°C
VSWR	Primary ≤1.20:1 Secondary ≤1.20:1	Operating Humidity	Up to 95%, Non- Condensing
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Weight	70g
Impedance	50Ω		

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

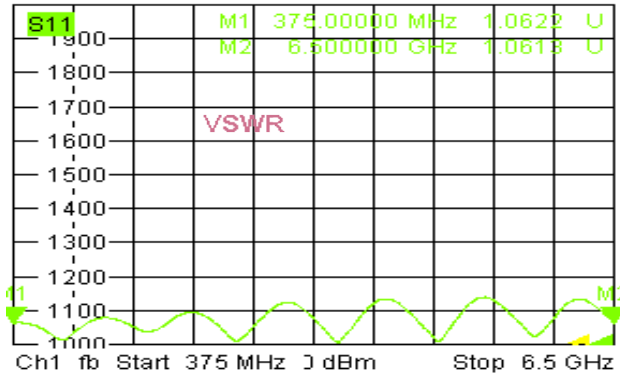


## Typical Performance

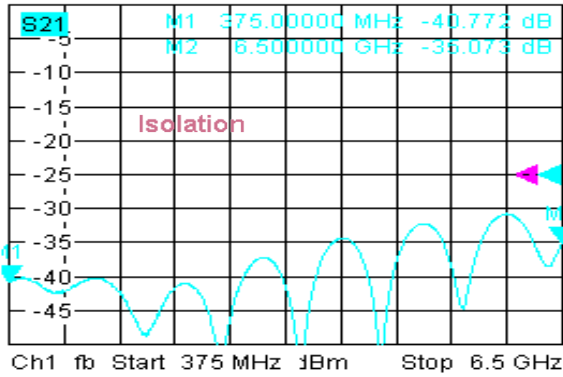
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



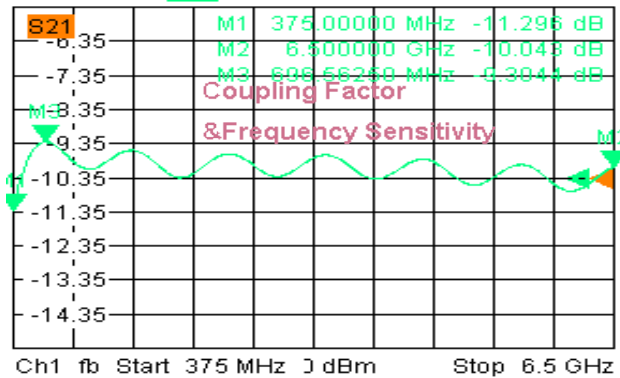
Trc1 Mem5[Trc1] **S11** SWR 100 mU/ Ref 1 U Cal  
**S11** SWR 100 mU/ Ref 1 U Invisib



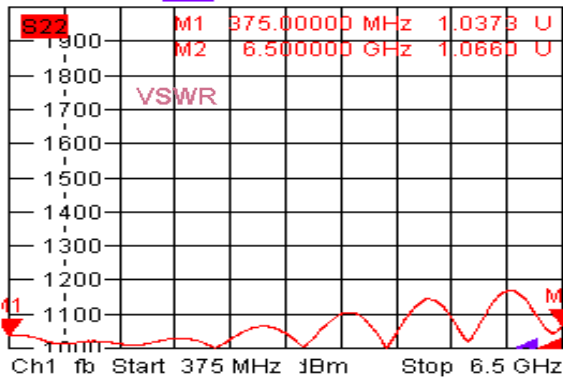
Trc2 Mem6[Trc2] **S21** dB Mag 5 dB / Ref -25 dB  
**S21** dB Mag 5 dB / Ref -25 dB



Trc3 Mem7[Trc3] **S21** dB Mag 1 dB / Ref -10.35 dB  
**S21** dB Mag 1 dB / Ref -10.35 dB



Trc4 Mem8[Trc4] **S22** SWR 100 mU/ Ref 1 U Ca  
**S22** SWR 100 mU/ Ref 1 U Inv

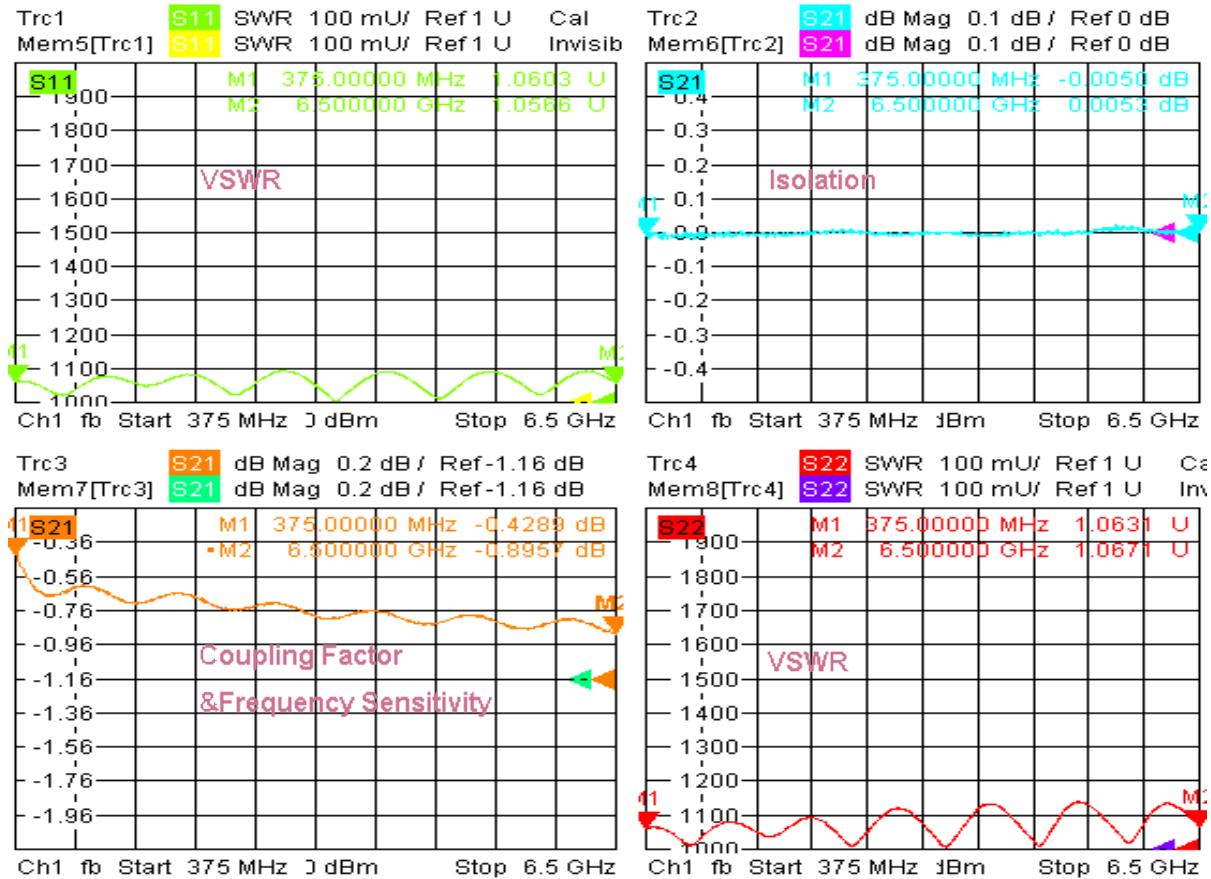


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## Typical Performance

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



### 3. Insertion Loss

