

Model TDC05185A16A

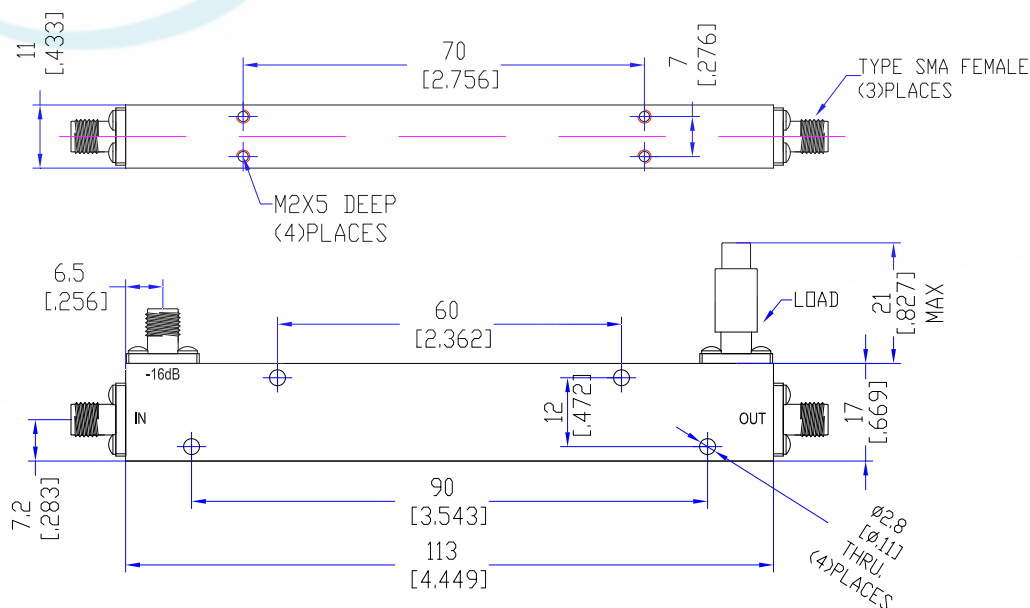
Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet

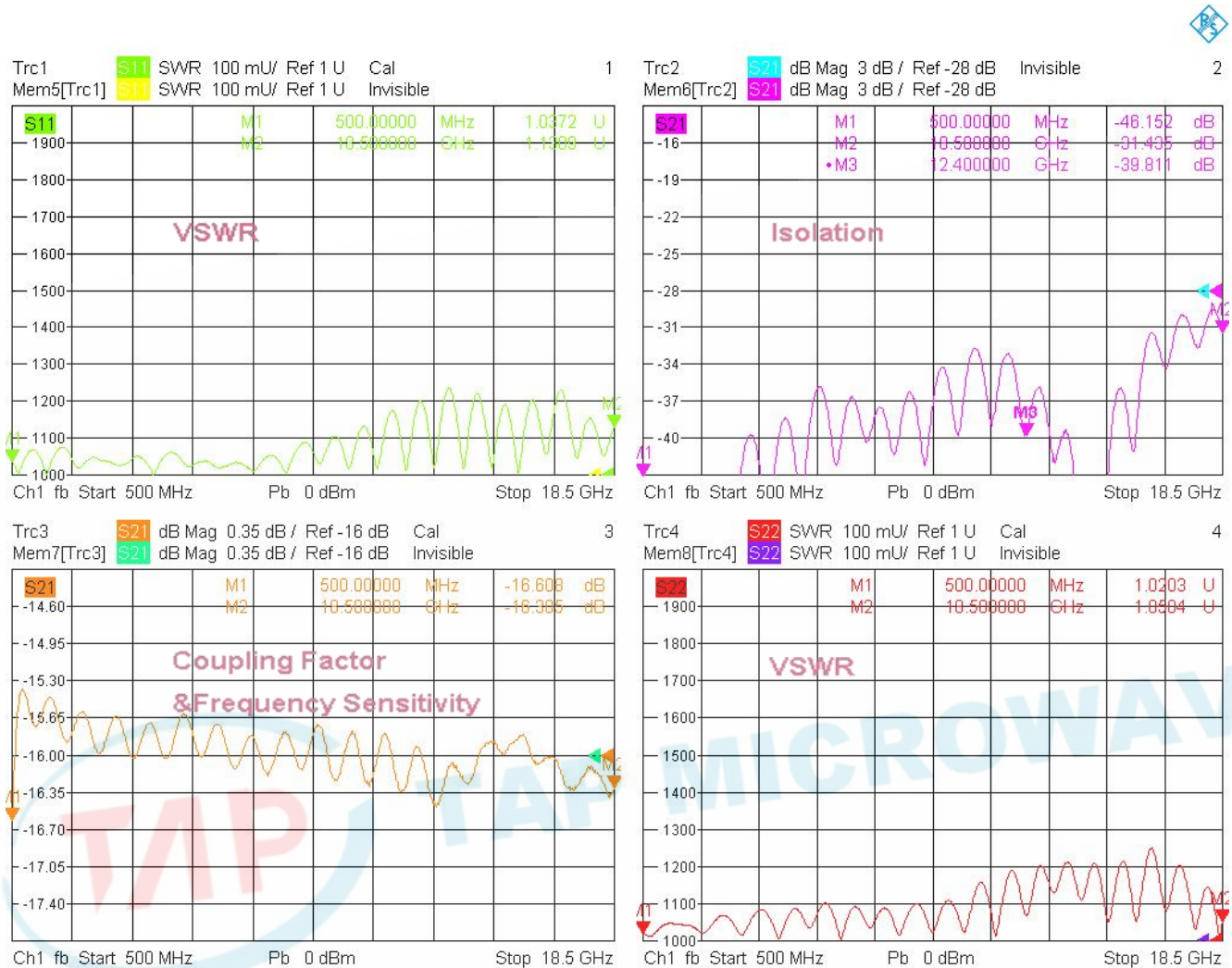
Frequency Range	0.5~18.5GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.1dB (Excl. Coupling Loss 0.11dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤16±1.0dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.7dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥15dB@0.5~12.4GHz ≥12dB@12.4~18.5GHz	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.35:1 Secondary ≤1.35:1	Operating Temperature	-55~+85℃
¹ Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	70g
Port Connectors	SMA-Female		

¹Power Handling guaranteed when load's VSWR within 1.50:1.



Typical Performance

1. Coupling Factor & Sensitivity, Isolation, VSWR

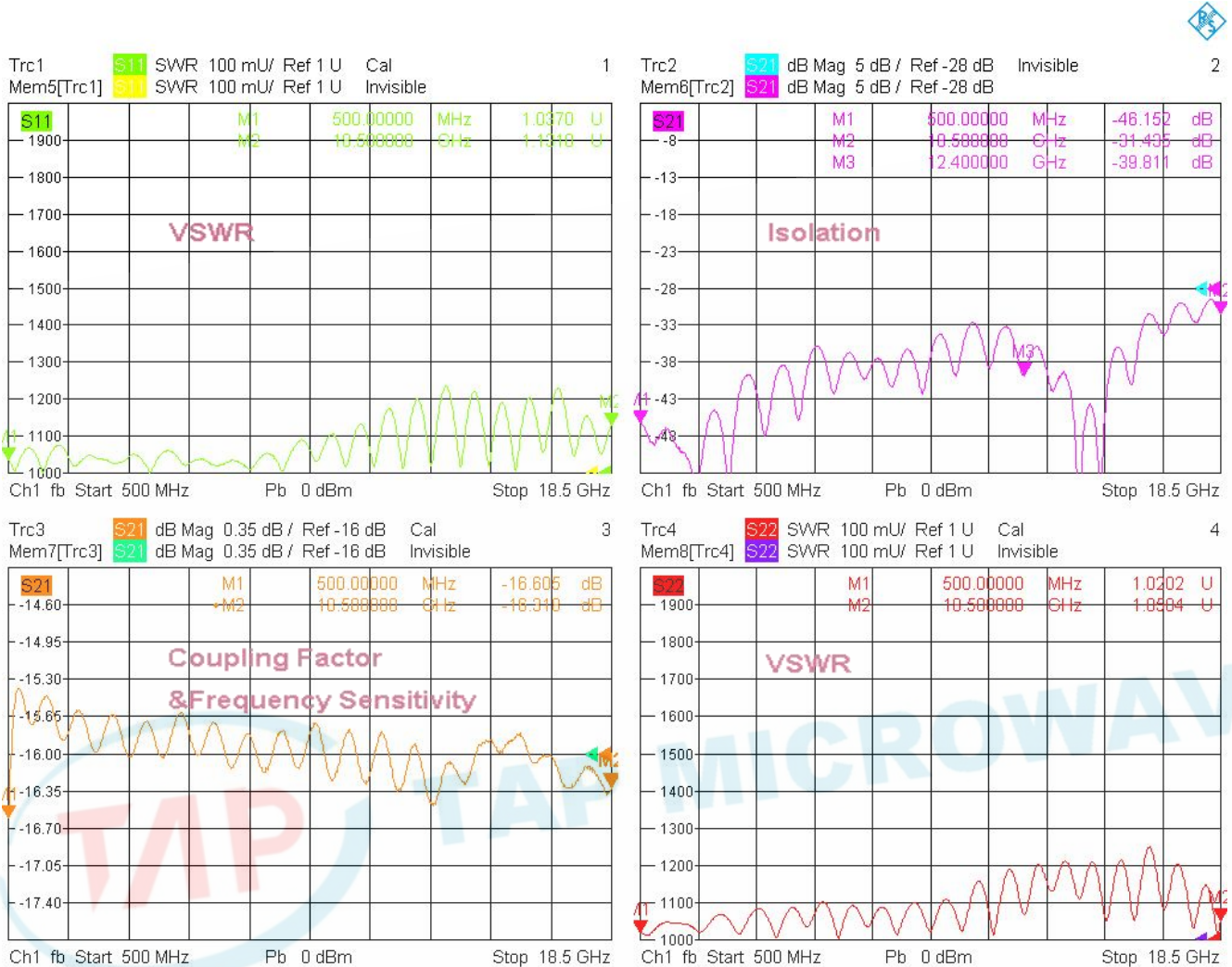


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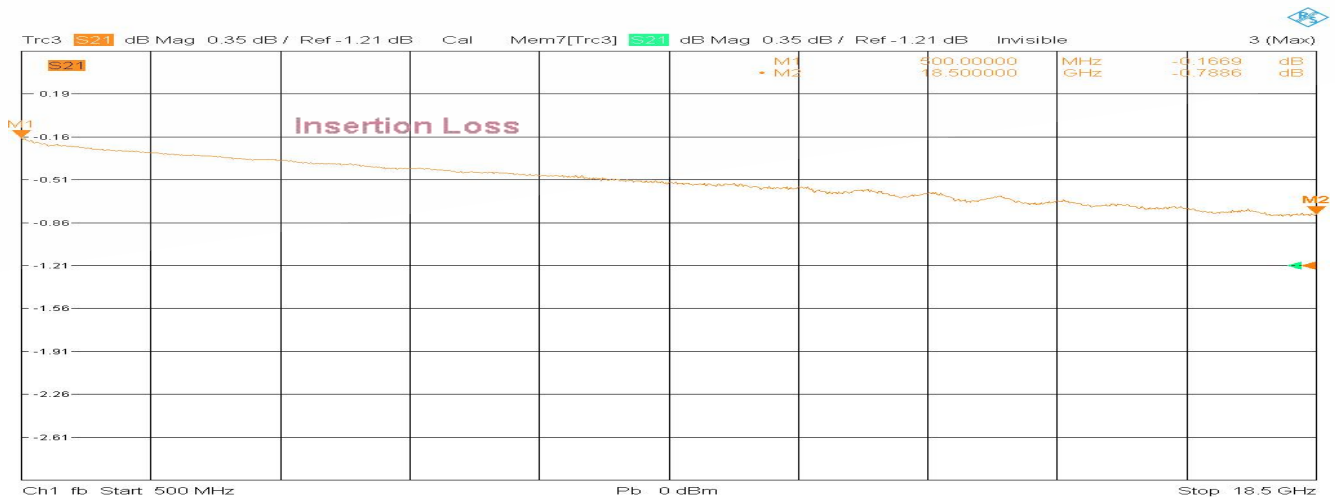
Typical Performance

2. Coupling Factor & Sensitivity, Isolation, VSWR



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3. Insertion Loss



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