

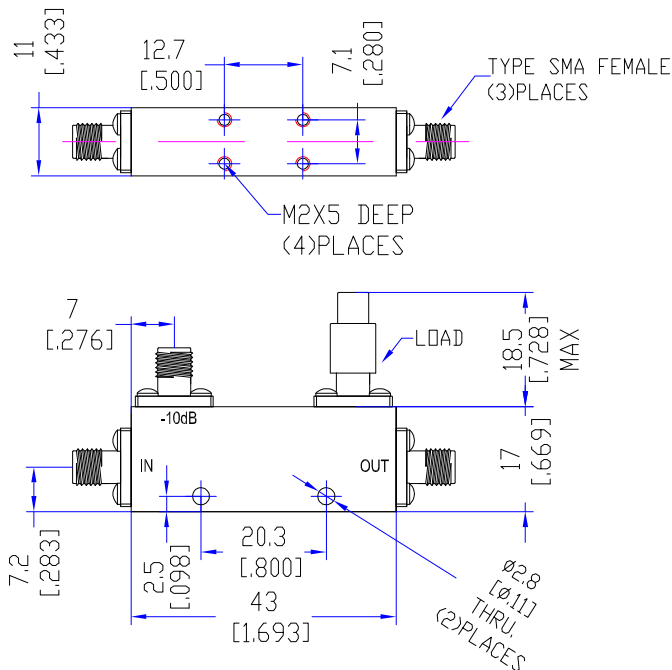
Model TDC170265A10

Features

Low VSWR
High Directivity
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	17~26.5GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.2dB (Excl. Coupling Loss 0.46dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤10±0.8dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.8dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥12dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.50:1 Secondary ≤1.50:1	Operating Temperature	-55~+85°C
¹ Power Handling	Incident ≤20Watt; Reflected ≤1Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	60g
Port Connectors	2.92mm-Female		

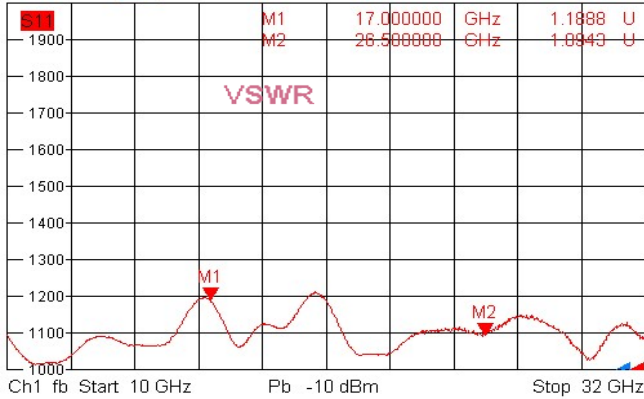
¹Power Handling guaranteed when load's VSWR within 1.50:1.



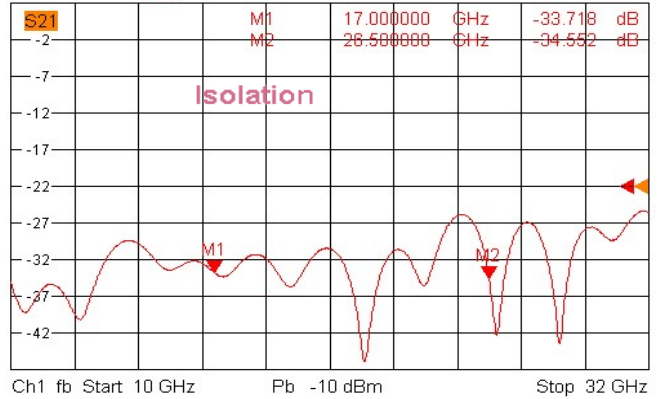
Typical Performance

1. Coupling Factor & Sensitivity, Isolation, VSWR

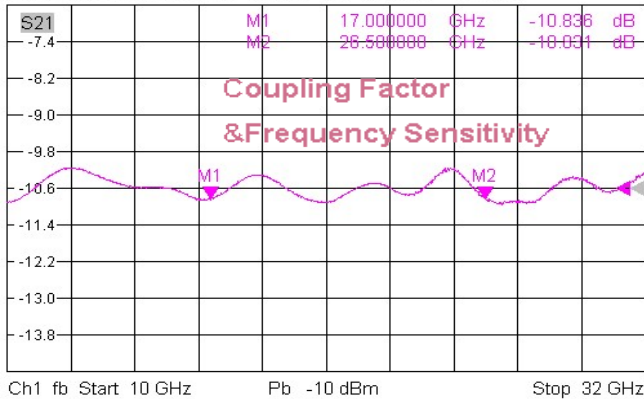
Trc4 **S11** SWR 100 mU/ Ref 1 U Cal 1
 Mem9[Trc4] **S11** SWR 100 mU/ Ref 1 U Invisible



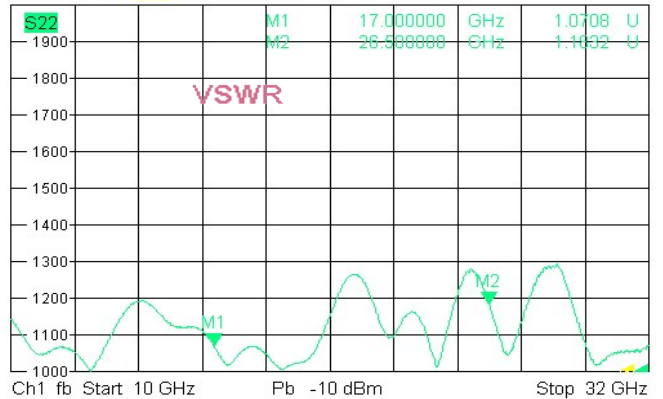
Trc13 **S21** dB Mag 5 dB / Ref -22 dB Invisible 2
 Mem14[Trc13] **S21** dB Mag 5 dB / Ref -22 dB



Trc8 **S21** dB Mag 0.8 dB / Ref -10.6 dB Cal 3
 Mem10[Trc8] **S21** dB Mag 0.8 dB / Ref -10.6 dB Invisible



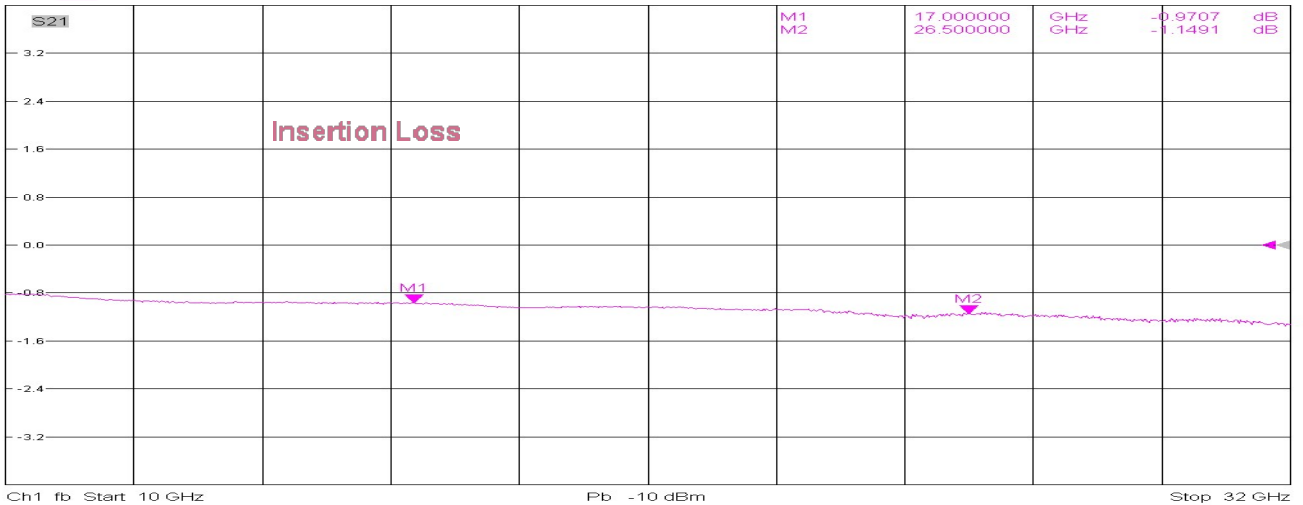
Trc7 **S22** SWR 100 mU/ Ref 1 U Cal 4
 Mem15[Trc7] **S22** SWR 100 mU/ Ref 1 U Invisible



7/19/2021, 11:34 AM

2. Insertion Loss

Trc6 **S21** dB Mag 0.8 dB / Ref 0 dB Cal Mem10[Trc6] **S21** dB Mag 0.8 dB / Ref 0 dB Invisible 3 (Max)



7/19/2021, 11:38 AM

