

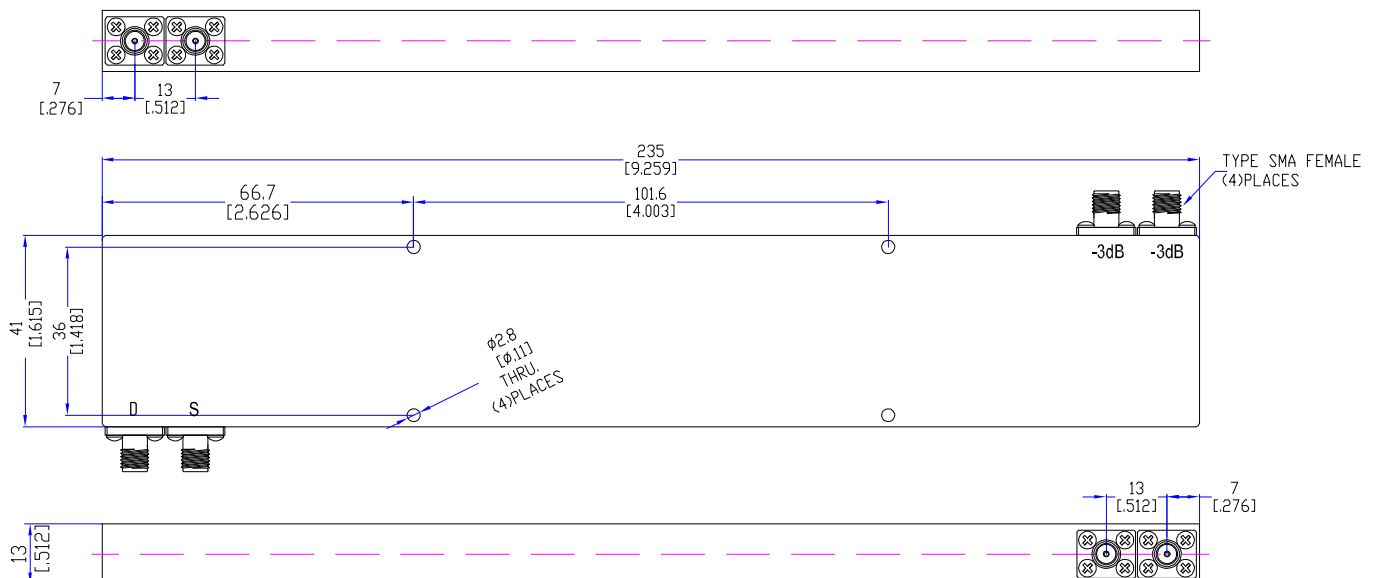
Model THC0420B

Features

- Excellent phase & amplitude balance
- Low Insertion Loss & VSWR
- High Isolation

Technical Data Sheet			
Frequency Range	0.4~2.0GHz	Finish	Painted Blue_ RAL #5007
Nominal Split	3.01dB	Connector Body	Passivated Stainless Steel
Insertion Loss	≤1.2dB	Housing	Aluminum, 6061 T6
Isolation	≥18dB		Clear Chem Conversion Film
Amplitude Balance	≤±0.8dB	Connector Pin	Beryllium Copper, Gold Plate
Phase Balance	≤±13°	Solder	Lead Free, RoHS Compliant
VSWR	≤1.40:1	Operating Temperature	-55~+85°C
¹ Power Handling	Average ≤50Watt Peak ≤1KW	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	350g
Port Connectors	SMA-Female		

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

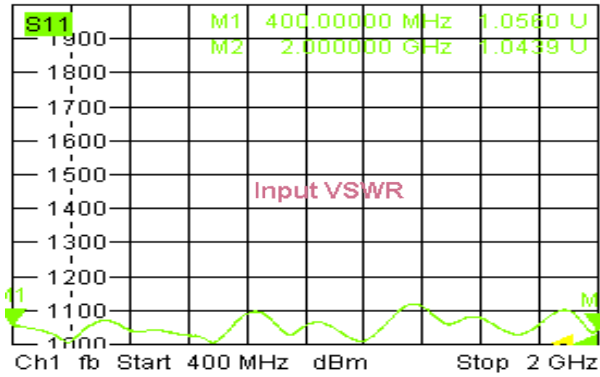


Typical Performance

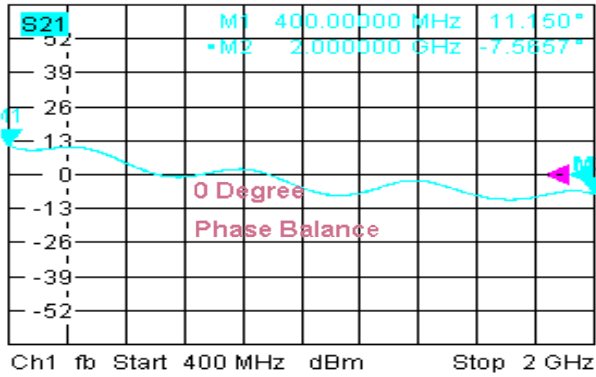
1. Insertion Loss, Amplitude & Phase Balance, VSWR_{0°}



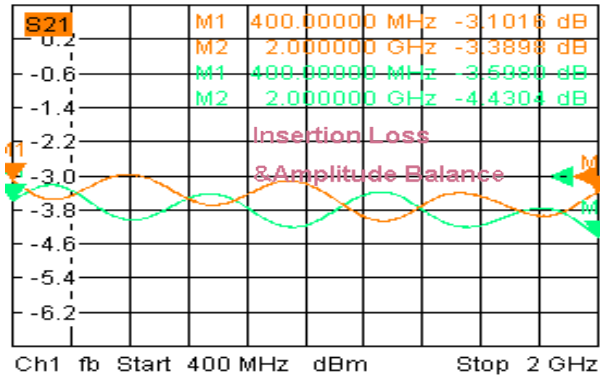
Trc1 **S11** SWR 100 mU/ Ref1 U Cal
 Mem5[Trc1] **S11** SWR 100 mU/ Ref1 U Invis



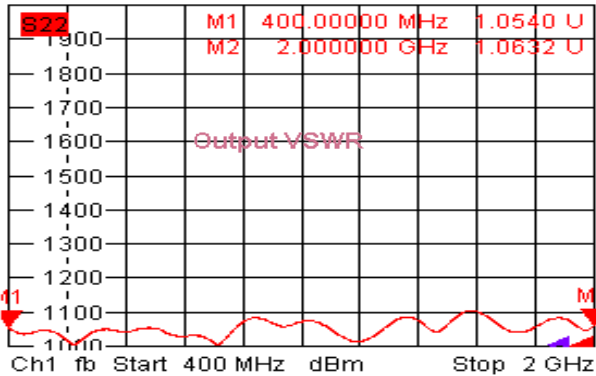
Trc2 **S21** Phase unwrap 13° / Ref0°
 Mem6[Trc2] **S21** Phase unwrap 13° / Ref0°



Trc3 **S21** dB Mag 0.8 dB / Ref-3 dB C
 Mem7[Trc3] **S21** dB Mag 0.8 dB / Ref-3 dB



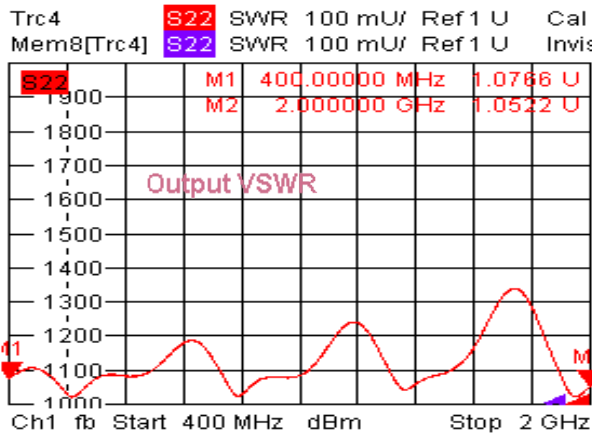
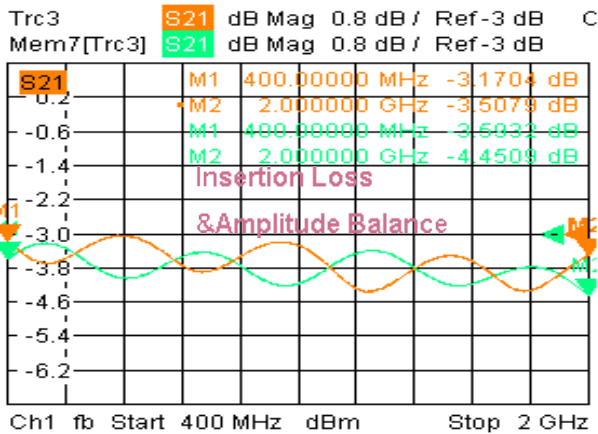
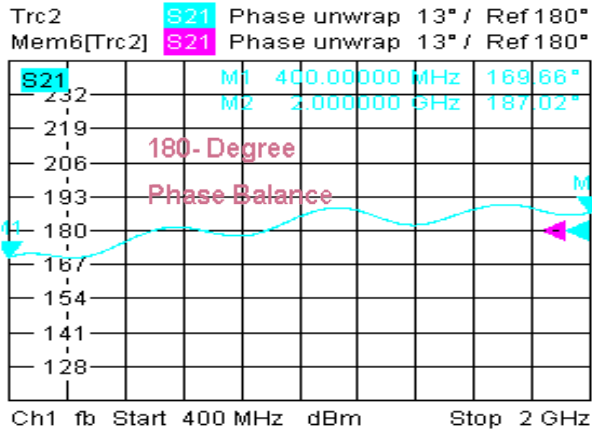
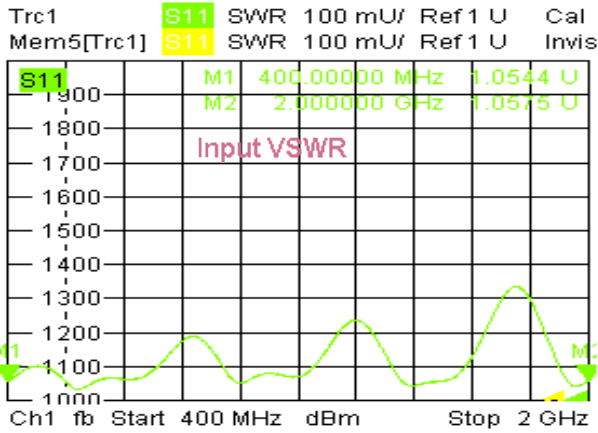
Trc4 **S22** SWR 100 mU/ Ref1 U Cal
 Mem8[Trc4] **S22** SWR 100 mU/ Ref1 U Invis



8/4/2020, 11:14 AM

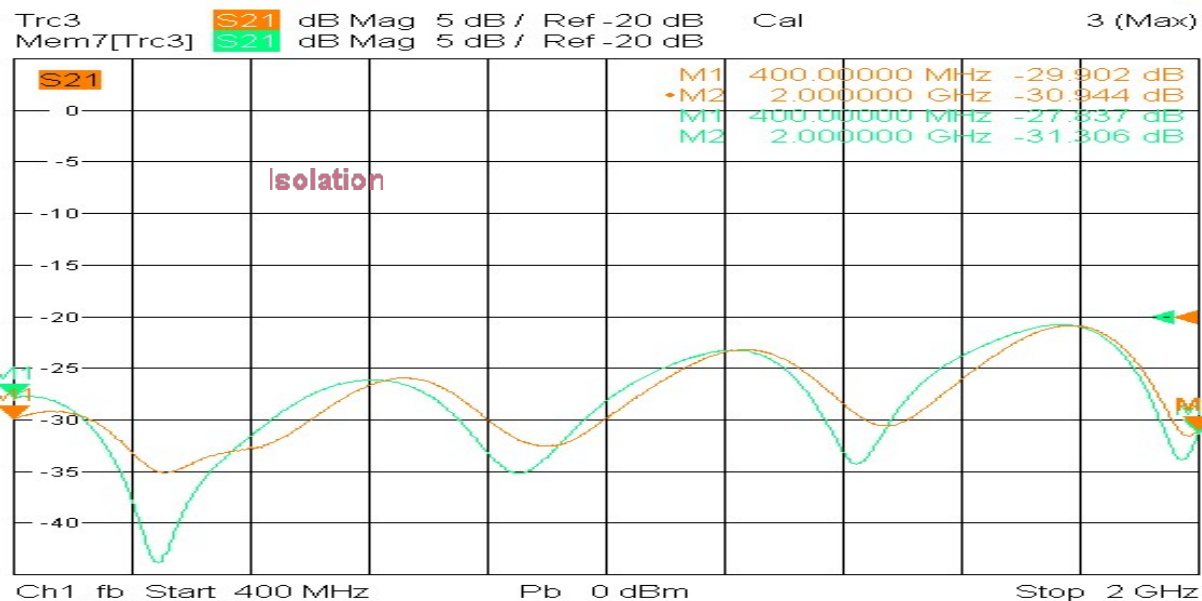


2. Insertion Loss, Amplitude & Phase Balance, VSWR _ 180°



8/4/2020, 11:14 AM

3. Isolation



8/4/2020, 11:16 AM

