

Model THC2425U

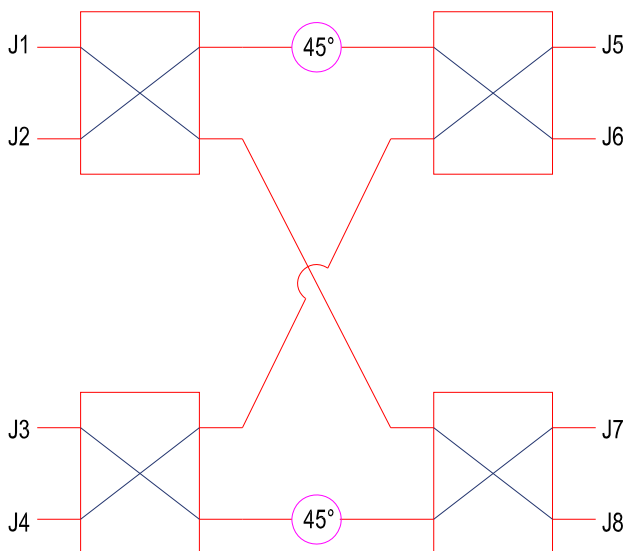
Electrical Specifications

Frequency Range	2.4~2.5GHz
Insertion Loss	≤6.8dB
Amplitude Balance	≤±0.6dB
Phase Balance	≤±8°
Isolation	≥25dB
VSWR	≤1.25:1
Power Handling	Average ≤30Watt ; Peak ≤1KW
Impedance	50Ω
Port Connectors	SMA-Female
Surface Color	Painted Blue_ RAL #5007
Weight	360g

Phase Specification Table

Status	J1	J2	J3	J4
J5	0	-135	-90	-135
J6	-90	-45	0	-45
J7	-45	0	-45	-90
J8	-135	-90	-135	0

Block Diagram



Environmental Parameters

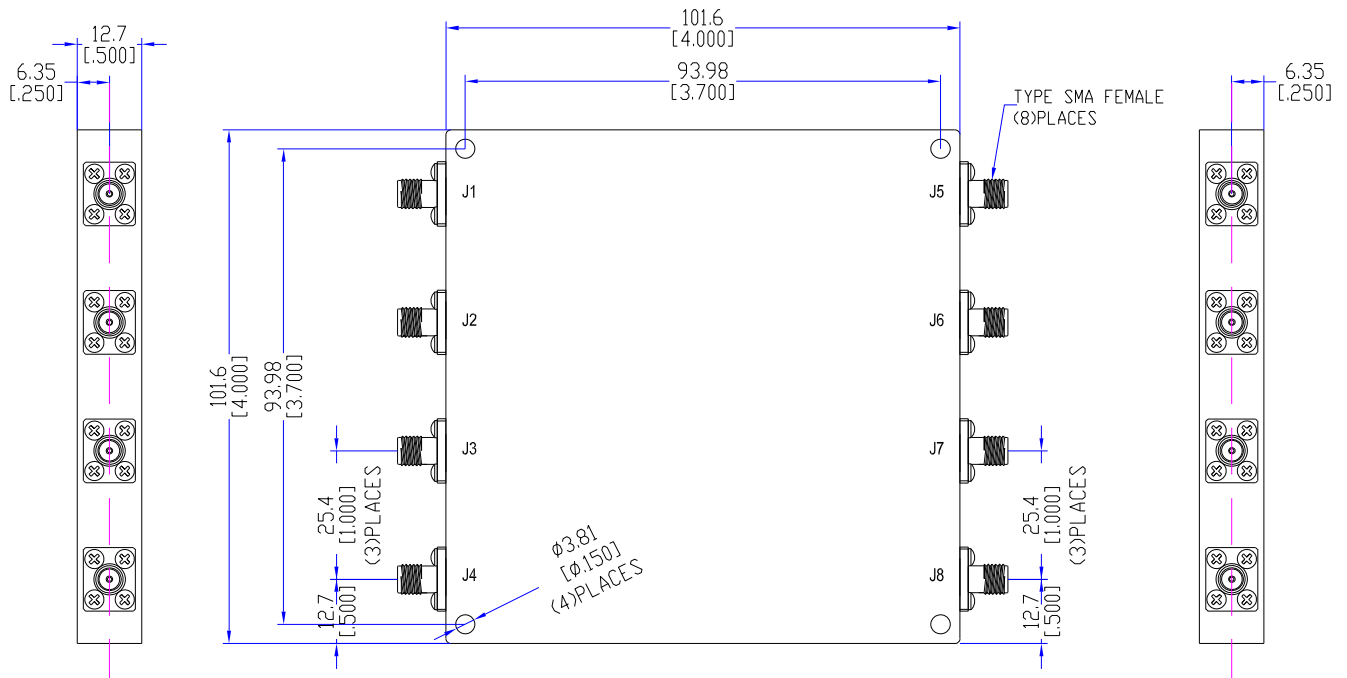
Operating Temperature -40~+85°C

Operating Humidity Up to 90%, Non- Condensing



Outline Drawing

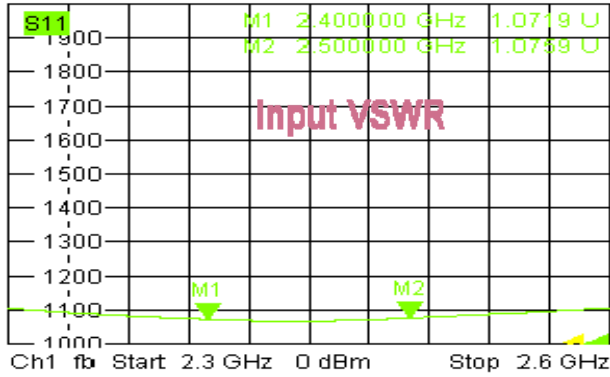
Tolerance: $\pm 0.2\text{mm}$



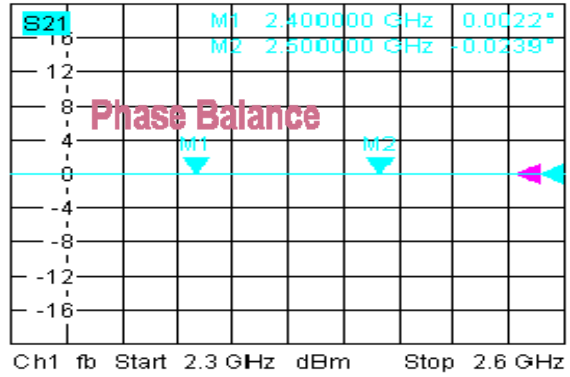
J1 to J5_ Insertion Loss, Amplitude & Phase Balance, VSWR _ 0°



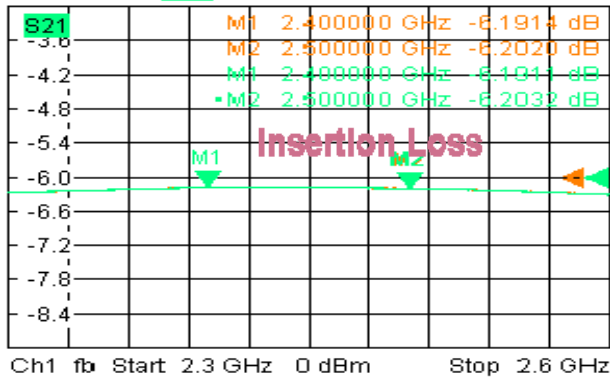
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref 1 U Cal Invisib



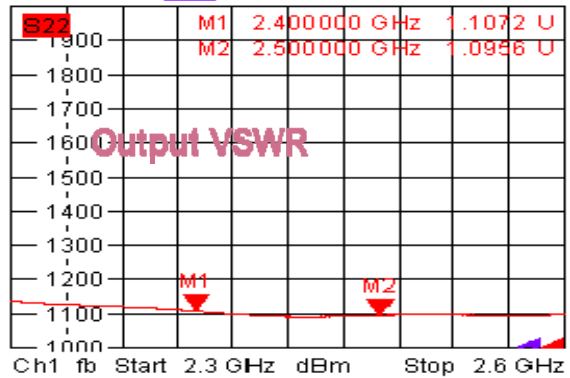
Trc2 Mem6[Trc2] S21 Phase 4° / Ref 0° Cal Mat Invisible



Trc3 Mem7[Trc3] S21 dB Mag 0.6 dB / Ref -6 dB Cal



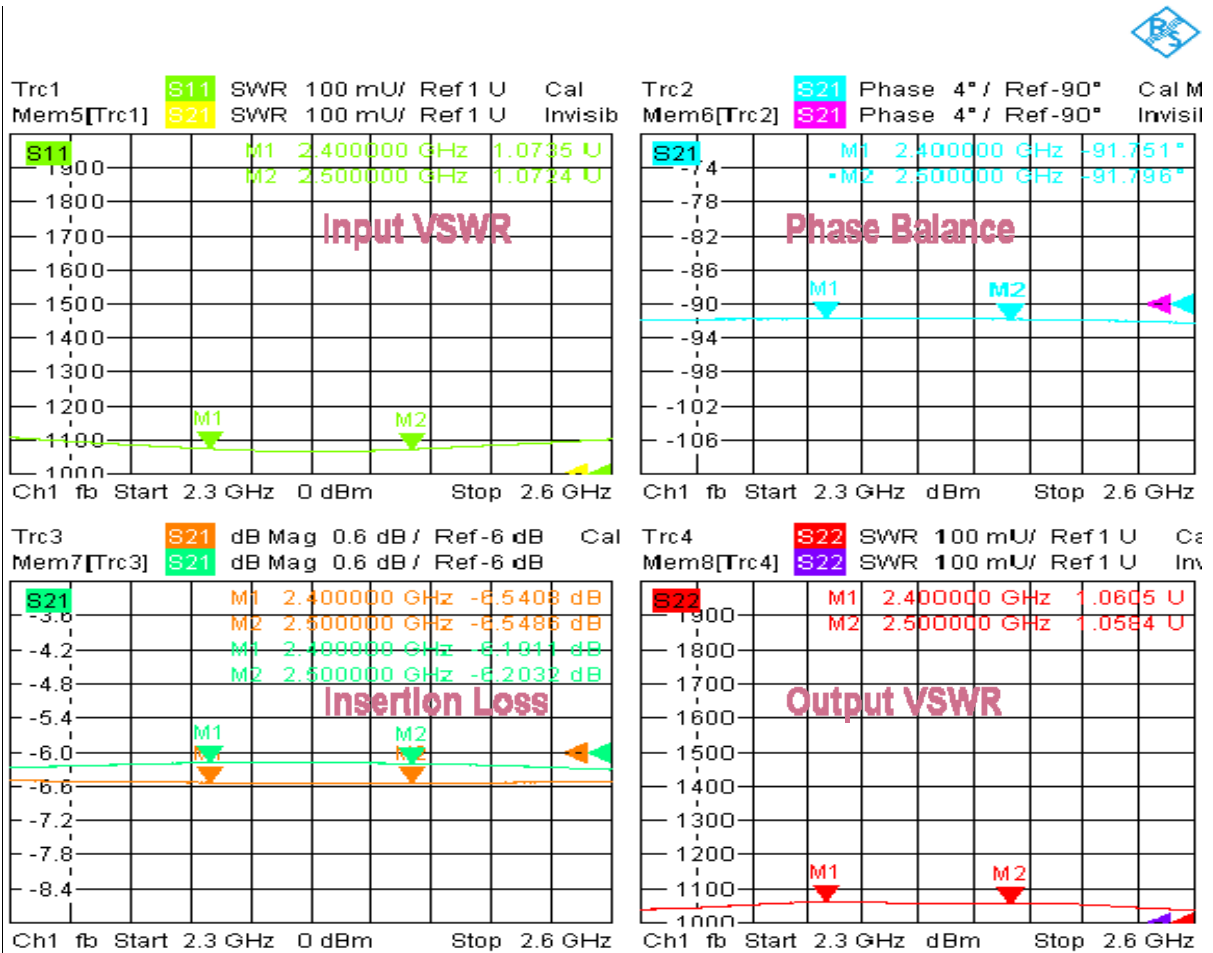
Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref 1 U Ca



3/18/2019, 11:30 AM



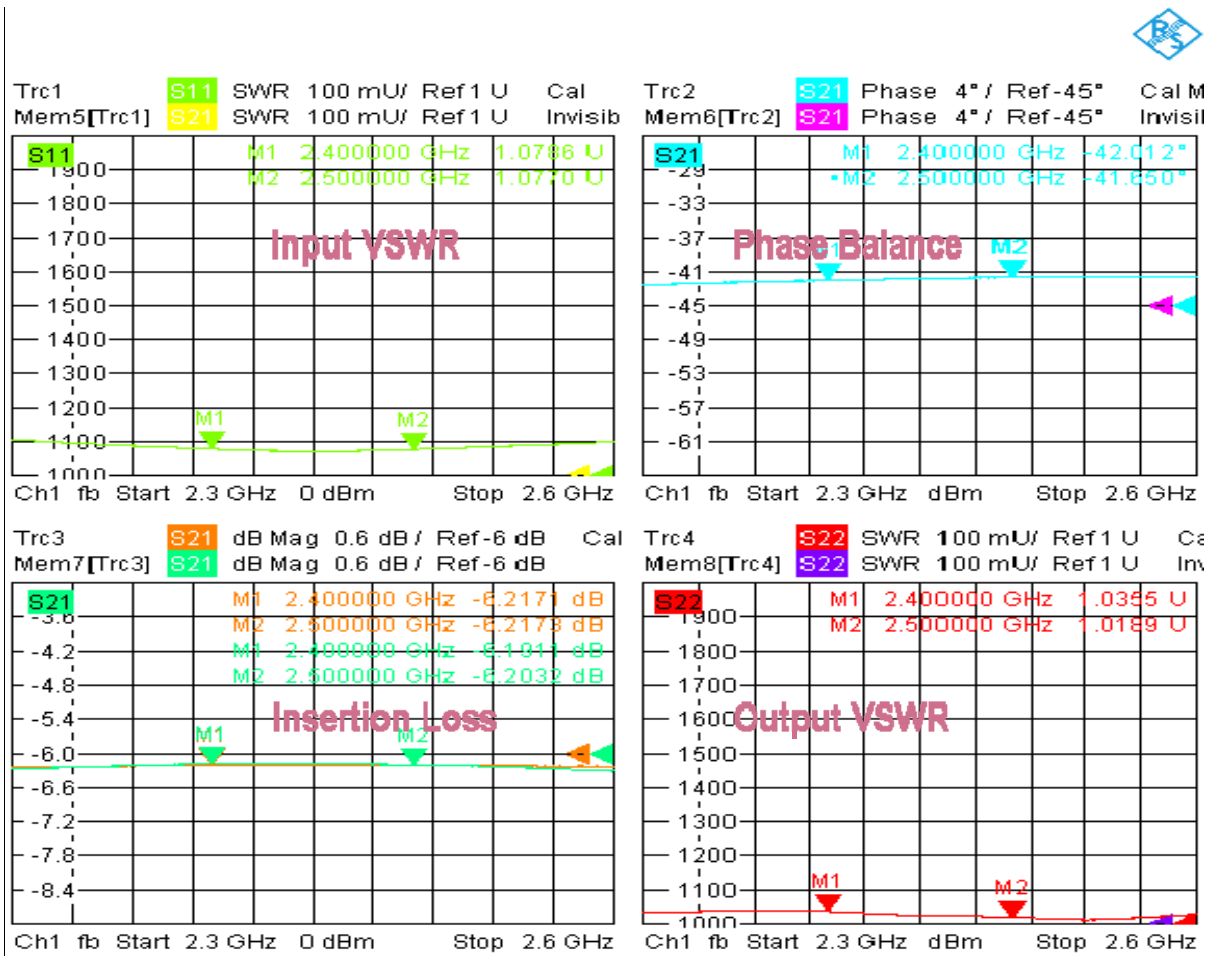
J1 to J6_ Insertion Loss, Amplitude & Phase Balance, VSWR _ -90°



3/18/2019, 11:31 AM



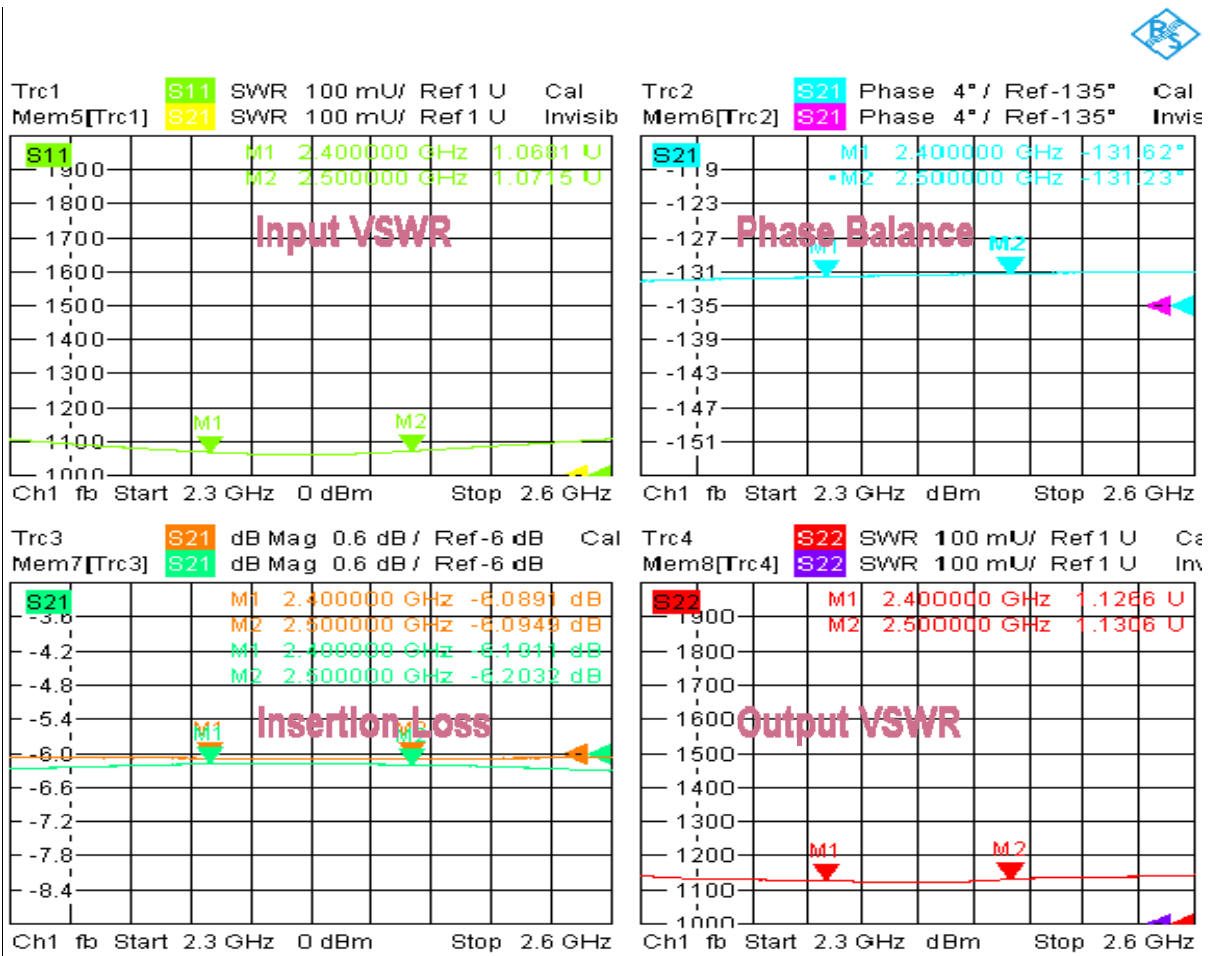
J1 to J7_ Insertion Loss, Amplitude & Phase Balance, VSWR _ -45°



3/18/2019, 11:31 AM



J1 to J8_ Insertion Loss, Amplitude & Phase Balance, VSWR _ -135°



3/18/2019, 11:31 AM

