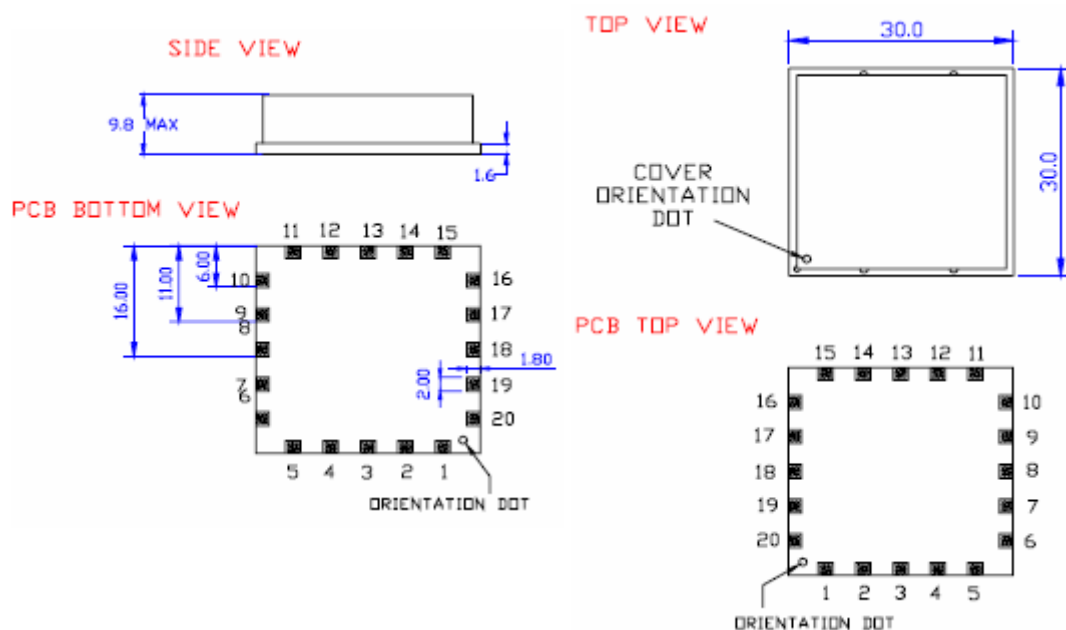


Outline drawing

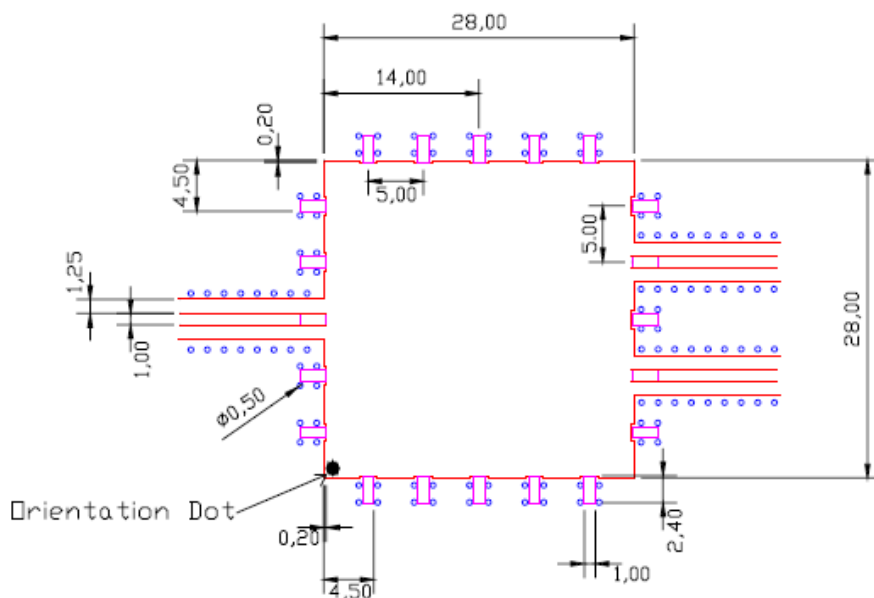
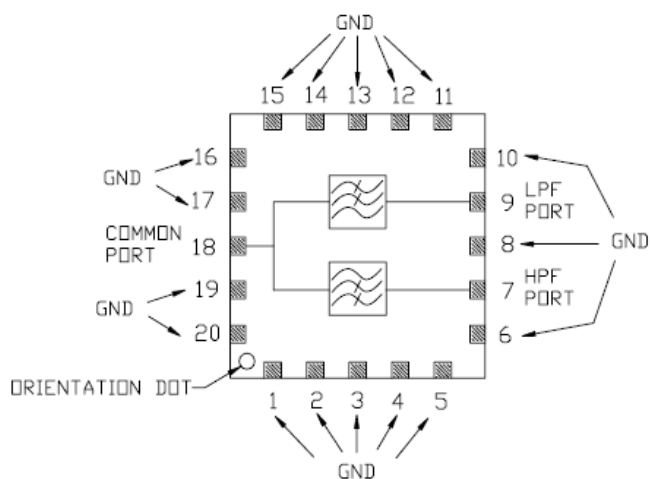
Feature:

- Surface mount
- 50pcs per reel
- CATV Applications
- 260°C reflow compatible
- RoHS* compliant



Tolerance ± 0.1 Unit mm

Schematic



Suggest pcb design

Tolerance ± 0.1 Unit mm

PIN CONFIGURATION

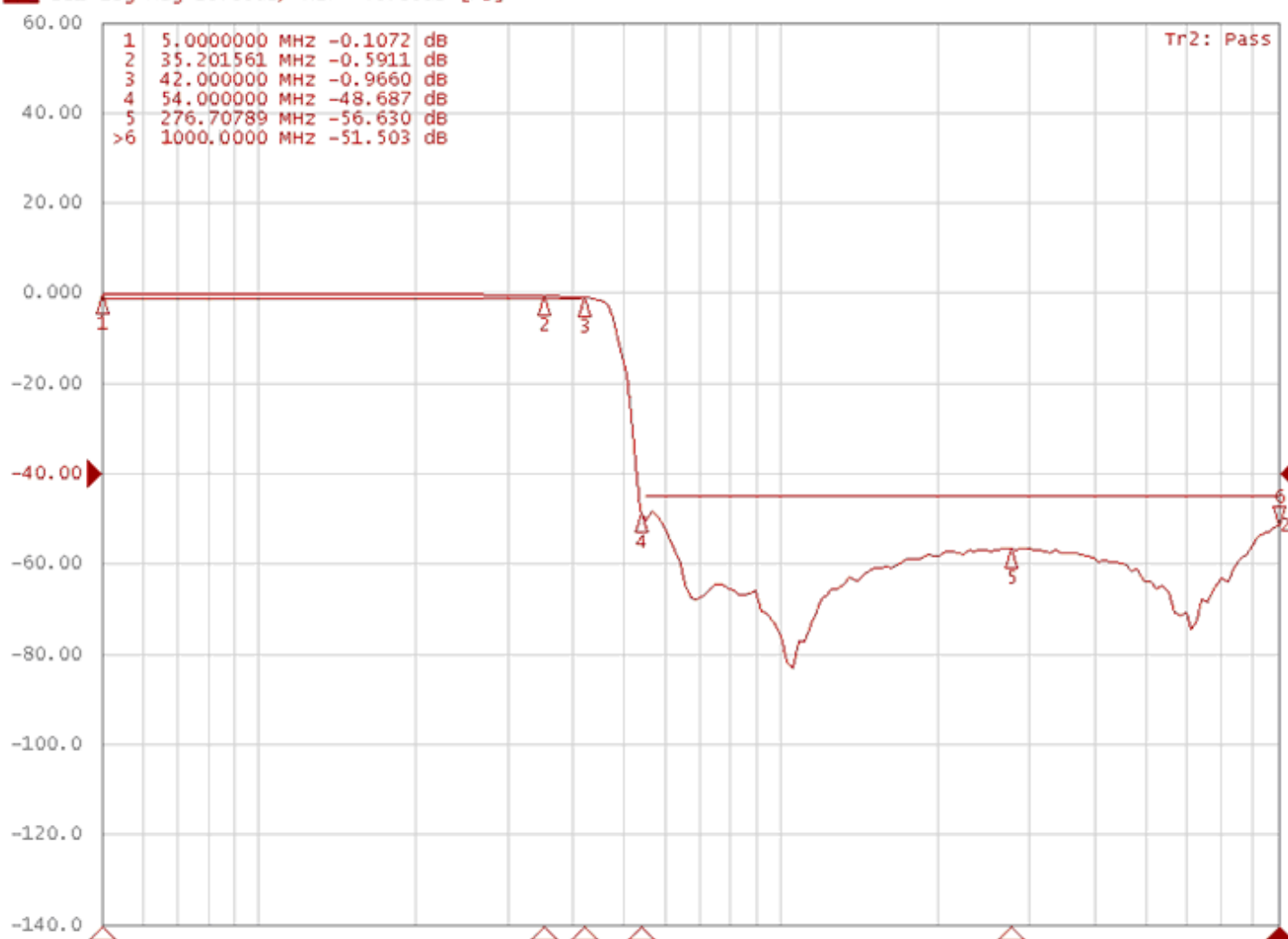
PIN	FUNCTION
1-6,8,10-17,19,20	Ground
18	Common Port
9	Low Pass Port
7	High Pass Port

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Common to Low Pass Port	5-42MHz	dB	---	0.5	1.2
Common to High Pass Port	54-1000MHz	dB	---	0.5	1.1
Insertion Loss Flatness	5-42MHz	dB	---	---	0.5
Rejection	5-42MHz	dB	45	50	---
	54-1000MHz	dB	45	50	---
Return Loss Input	5-42MHz	dB	18	21	---
	650-1002MHz	dB	18	21	---
Return Loss Output	5-42MHz	dB	18	21	---
	54-1000MHz	dB	18	21	---
RF Power Rating (max)		250mw			
DC Current Rating (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

Actual test parameter.

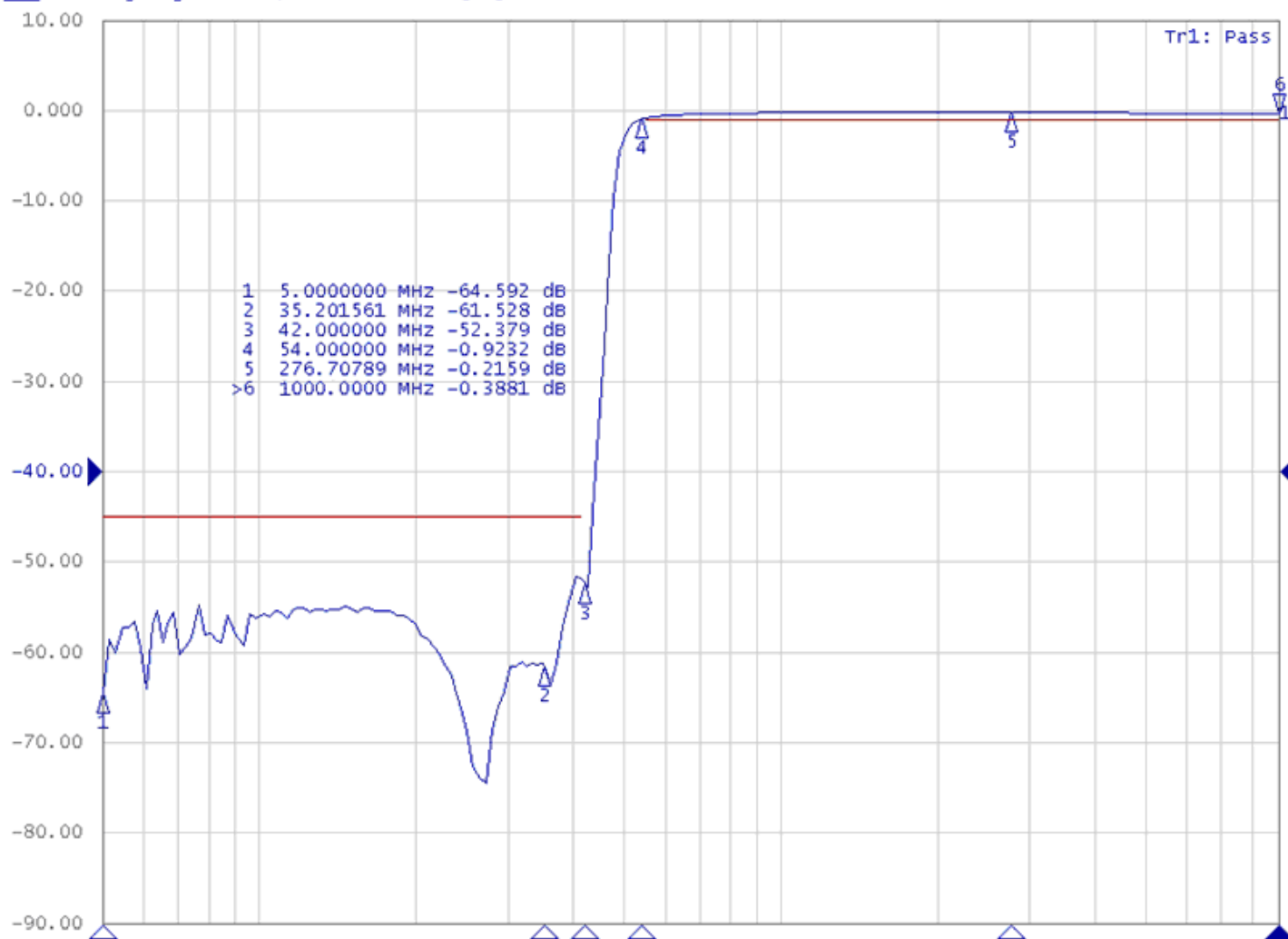
Common to low pass

▶ Tr2 S21 Log Mag 20.00dB/ Ref -40.00dB [F3]



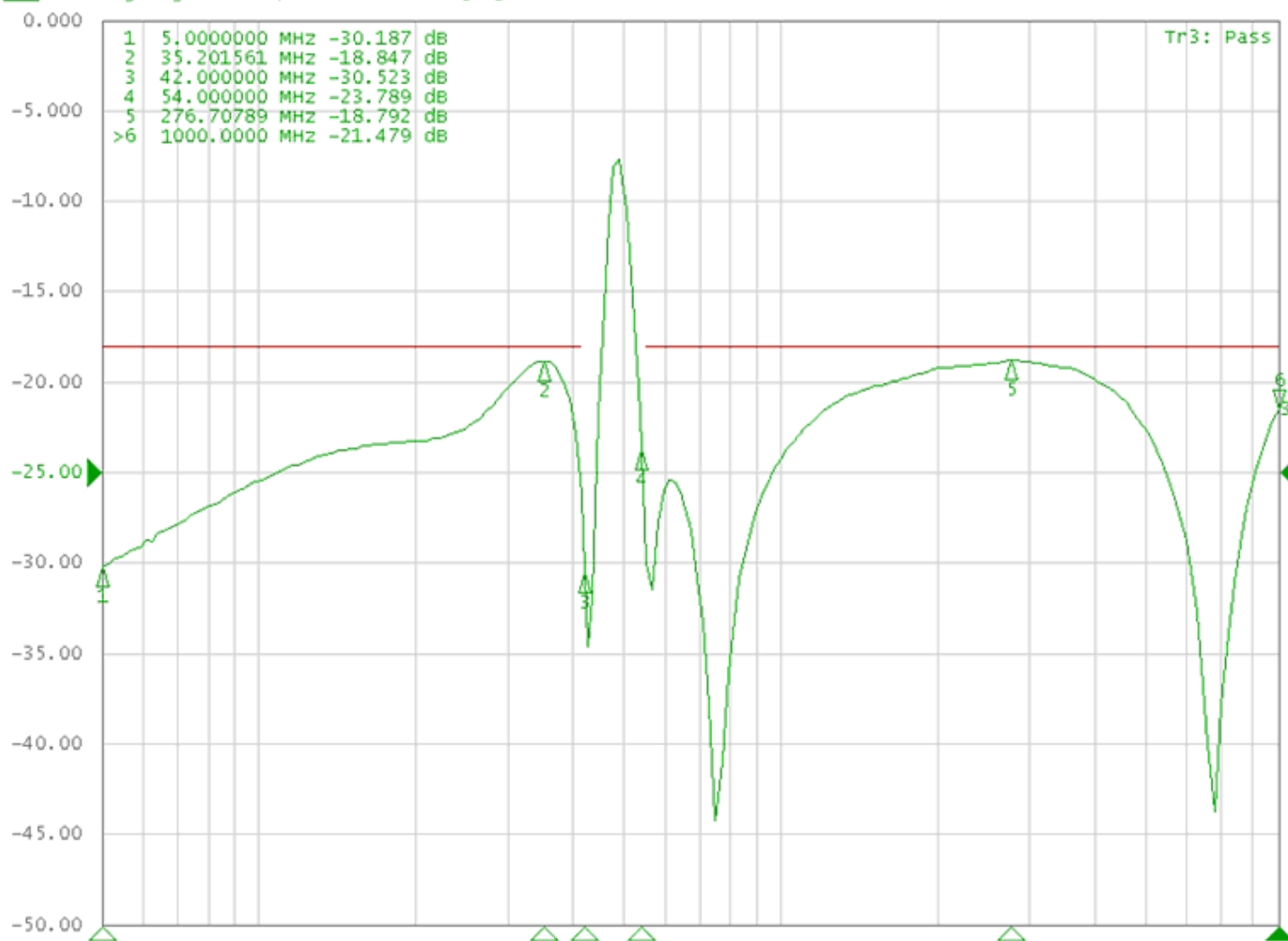
Common to high pass

Tr1 S31 Log Mag 10.00dB/ Ref -40.00dB [F3]



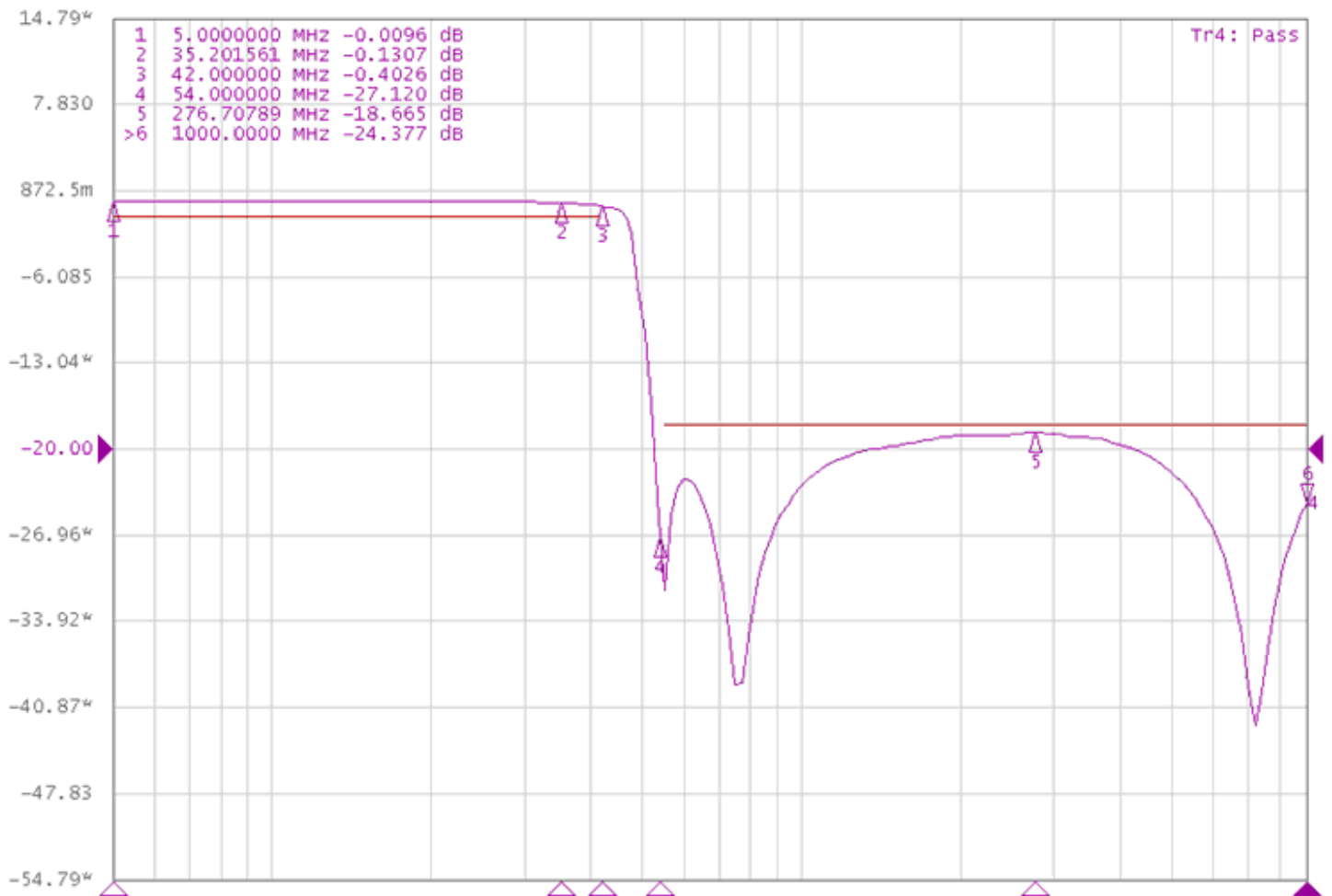
Input return loss

Tr3 S11 Log Mag 5.000dB/ Ref -25.00dB [F3]



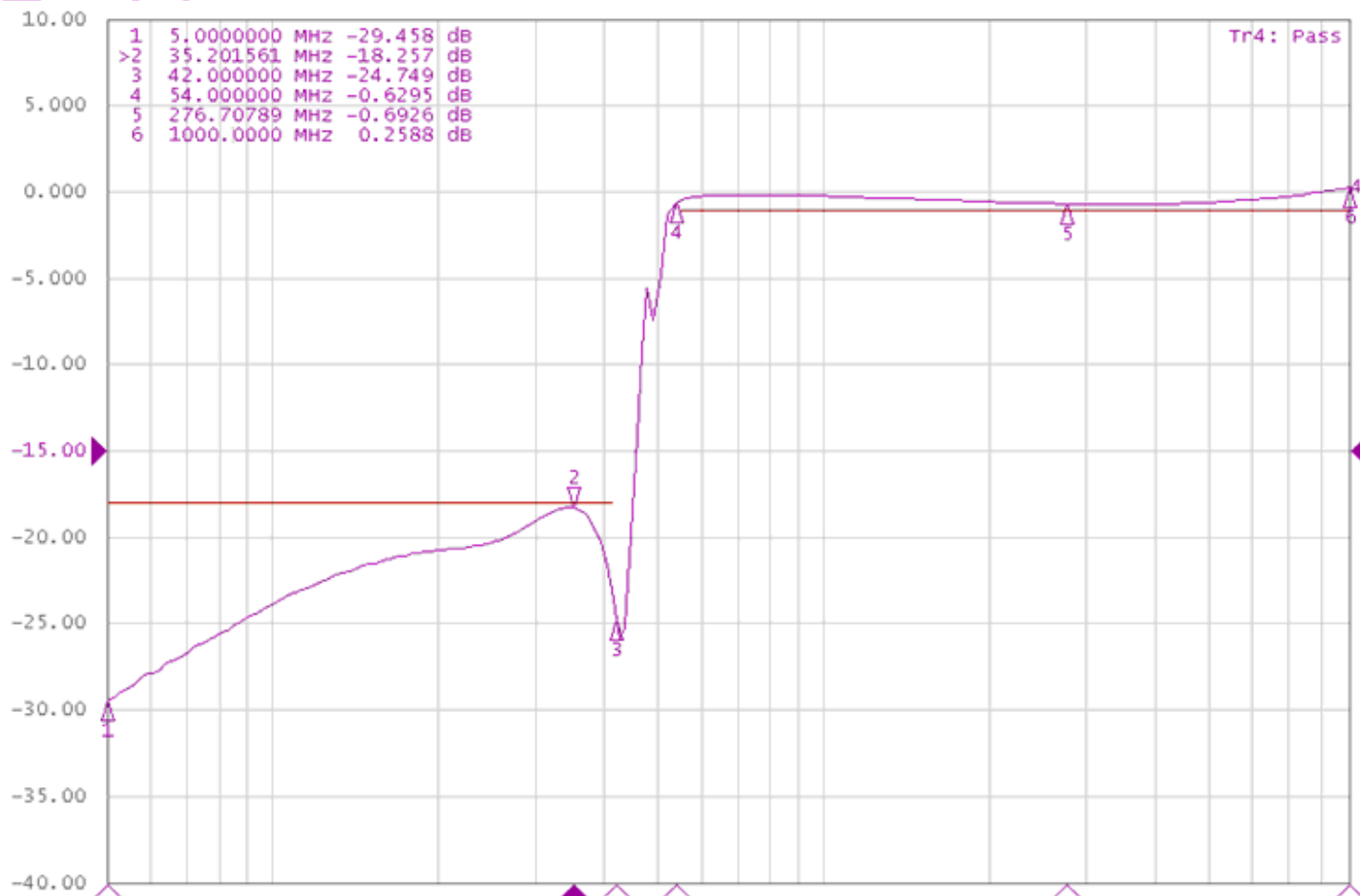
High Pass Filter Output Return Loss

Tr4 S33 Log Mag 6.958*dB/ Ref -20.00dB [F3]



Low Pass Filter Output Return Loss

Tr4 S22 Log Mag 5.000dB/ Ref -15.00dB [F3]



Filter Isolation

Tr1: S32 Log Mag 10.00dB/ Ref -40.00dB [F3]

