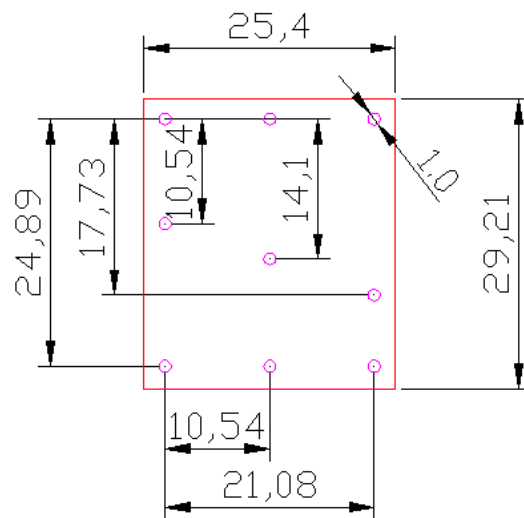
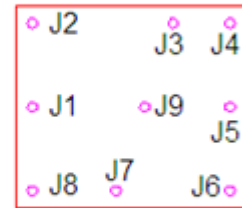
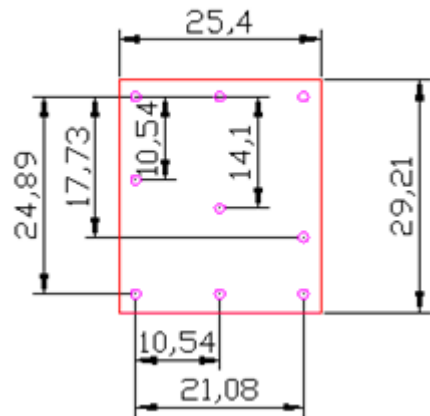
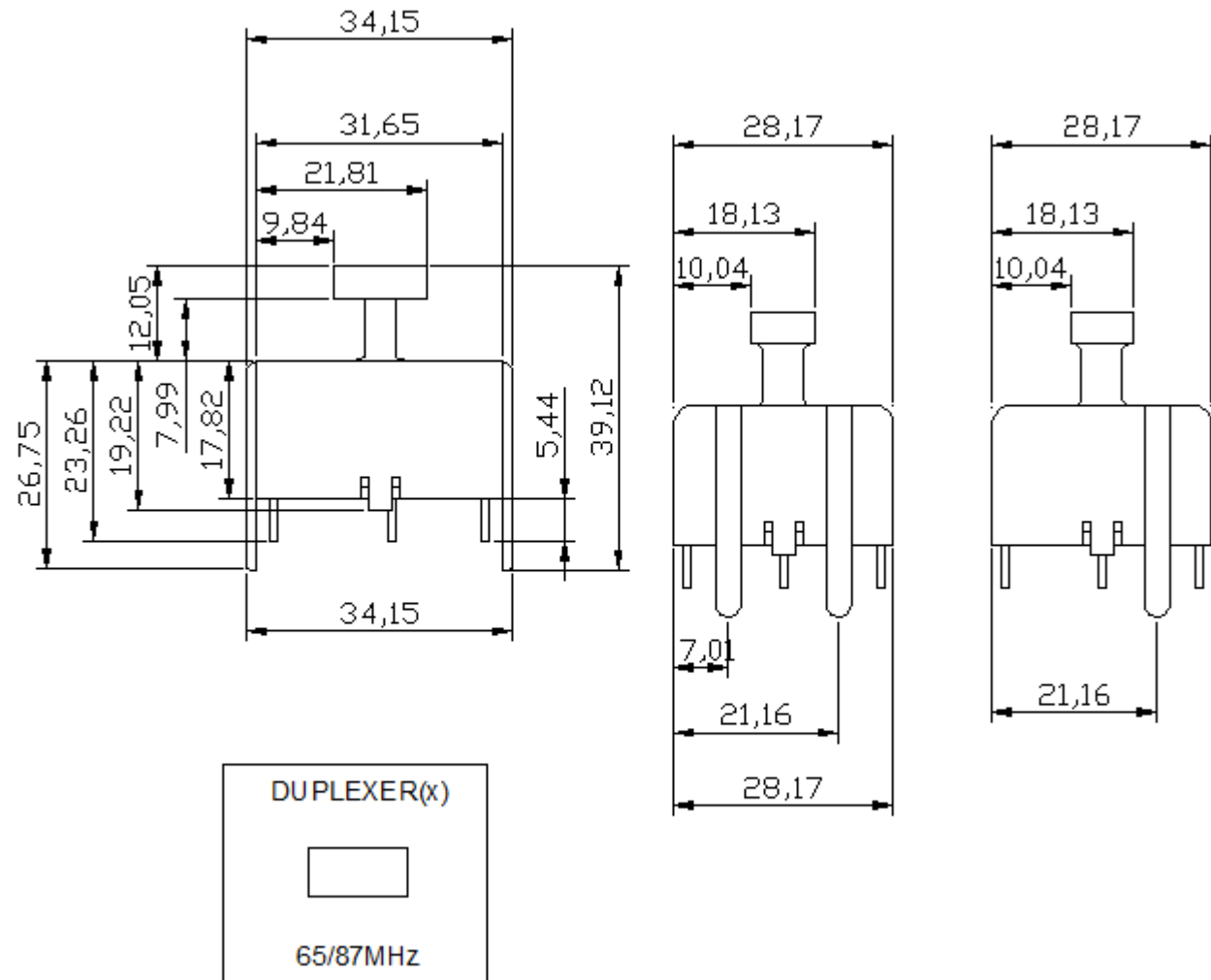


Outline drawing



Suggest pcb design



Tolerance +/-5% Unit mm

PIN CONFIGURATION

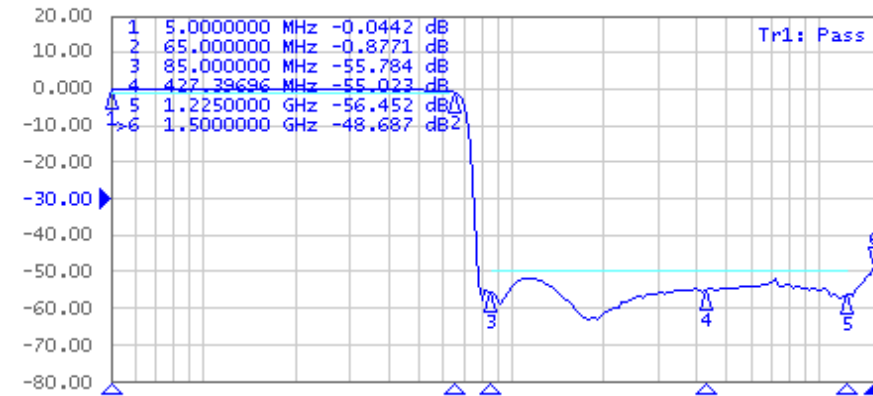
Diplexer	
Pin Number	Function
J1	RF Common Port Connection
J4	RF Low Port Connection relative to pin J1
J6	RF High Port Connection relative to pin J1
J2, J3, J5, J7, J8, J9,	Ground

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Common to Low Pass Port	5MHz	dB	---	0.05	0.2
	65MHz	dB	---	0.75	0.9
Common to High Pass Port	86MHz	dB	---	0.75	1.0
	870MHz	dB	---	0.35	0.5
	1000MHz	dB	---	0.45	0.55
	1200MHz	dB	---	0.50	0.60
	1225MHz	dB	---	0.55	0.65
Insertion Loss Flatness	5-65MHz 85-1225MHz	dB	---	---	0.4
Isolation	5-65MHz	dB	50	50	---
	65-86MHz	dB	41	---	---
	86-1225MHz	dB	46	50	---
Return Loss Input	5-65MHz	dB	24	30	---
	86-1225MHz	dB	24	27	---
Return Loss Output	5-65MHz	dB	22	28	---
	86-1225MHz	dB	22	25	---
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			

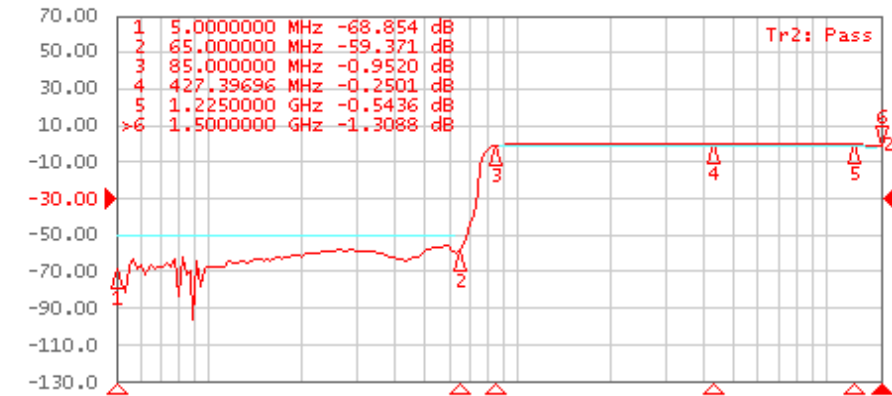
PARAMETER

MIRROR

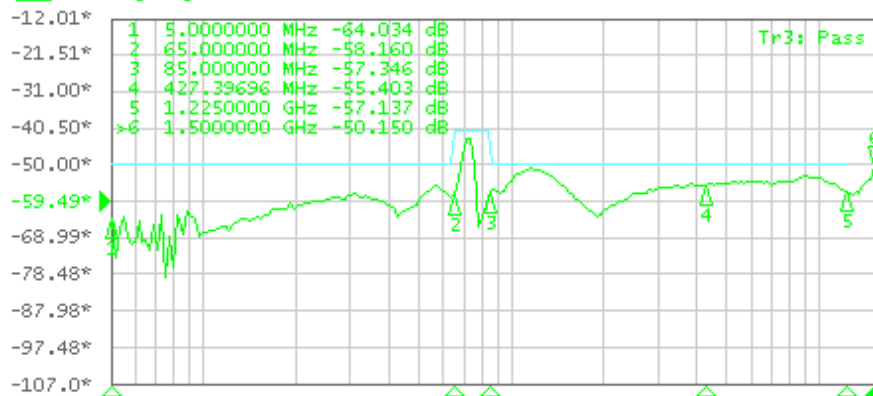
Tr1 S21 Log Mag 10.00dB/ Ref -30.00dB [F3]



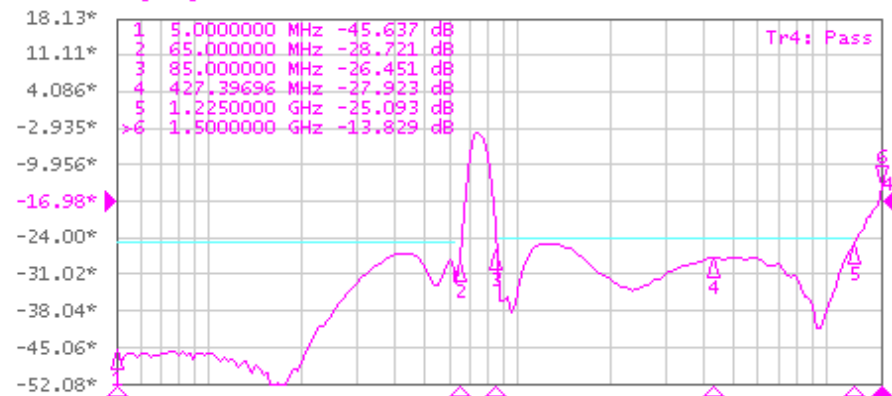
Tr2 S31 Log Mag 20.00dB/ Ref -30.00dB [F3]



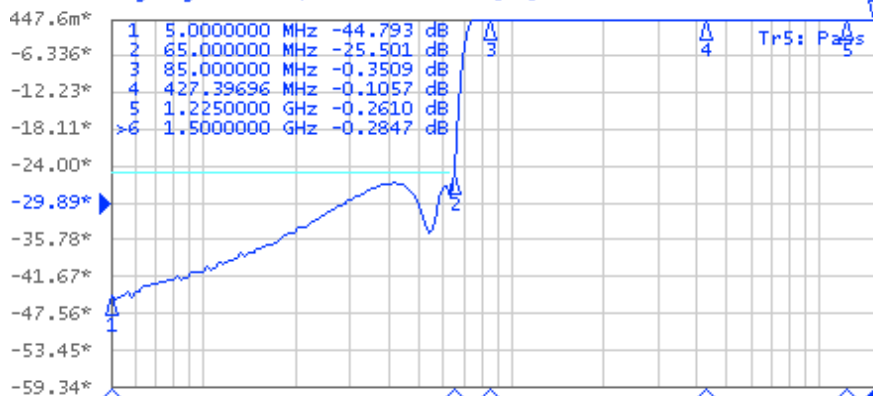
Tr3 S32 Log Mag 9.496dB/ Ref -59.49*dB [F3]



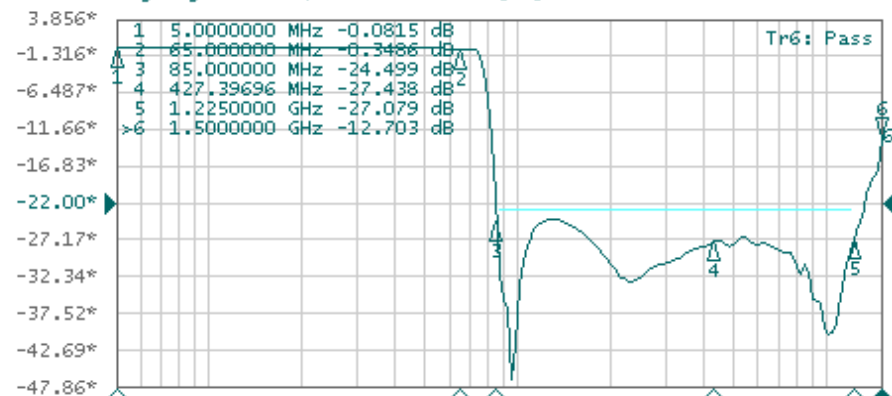
Tr4 S11 Log Mag 7.021*dB/ Ref -16.98*dB [F3]



Tr5 S22 Log Mag 5.889*dB/ Ref -29.89*dB [F3]



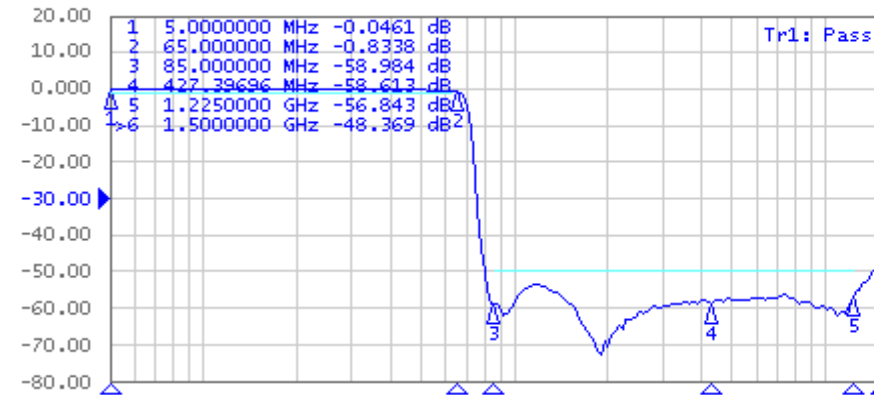
Tr6 S33 Log Mag 5.172*dB/ Ref -22.00*dB [F3]



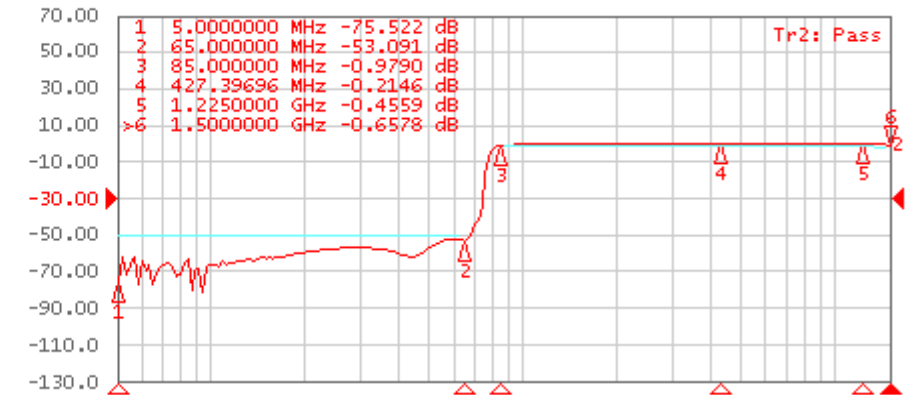
PARAMETER

NON
MIRROR

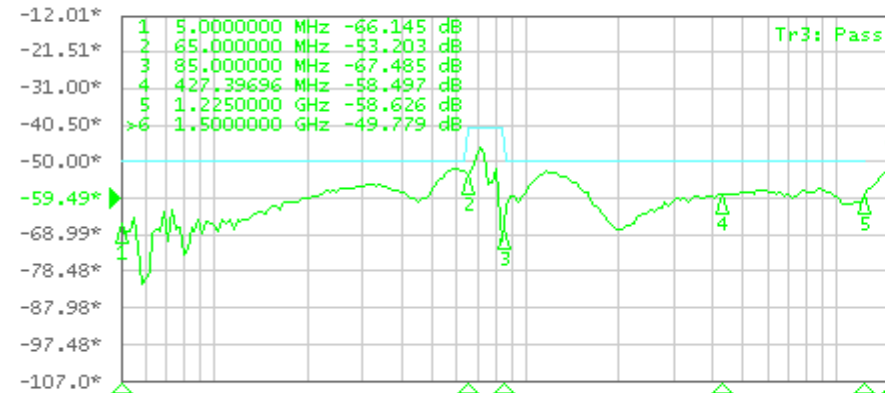
Tr1 S21 Log Mag 10.00dB/ Ref -30.00dB [F3]



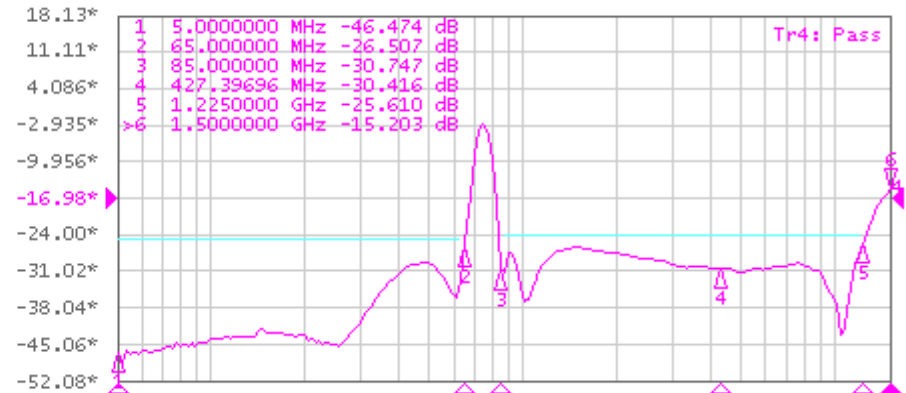
Tr2 S31 Log Mag 20.00dB/ Ref -30.00dB [F3]



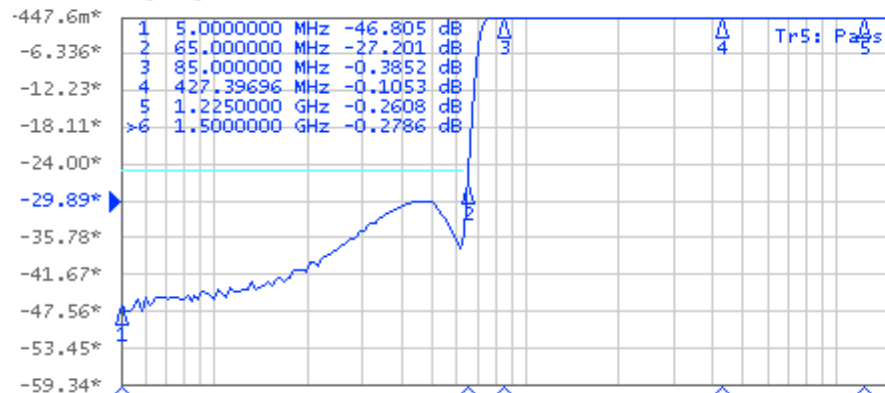
Tr3 S32 Log Mag 9.496dB/ Ref -59.49*dB [F3]



Tr4 S11 Log Mag 7.021*dB/ Ref -16.98*dB [F3]



Tr5 S22 Log Mag 5.889*dB/ Ref -29.89*dB [F3]



Tr6 S33 Log Mag 5.172*dB/ Ref -22.00*dB [F3]

