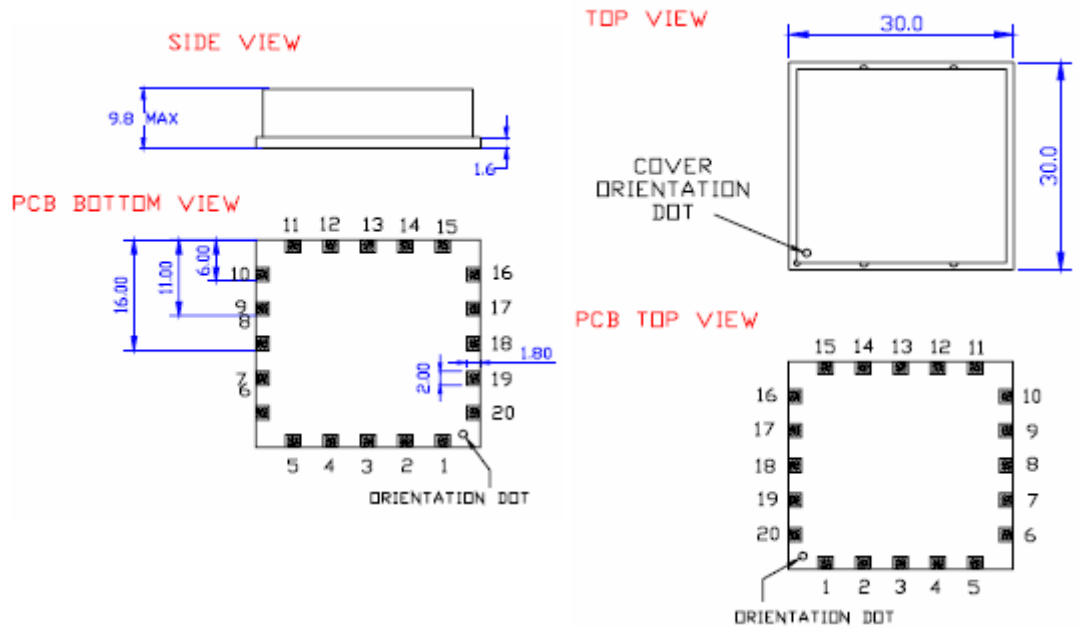




Outline drawing

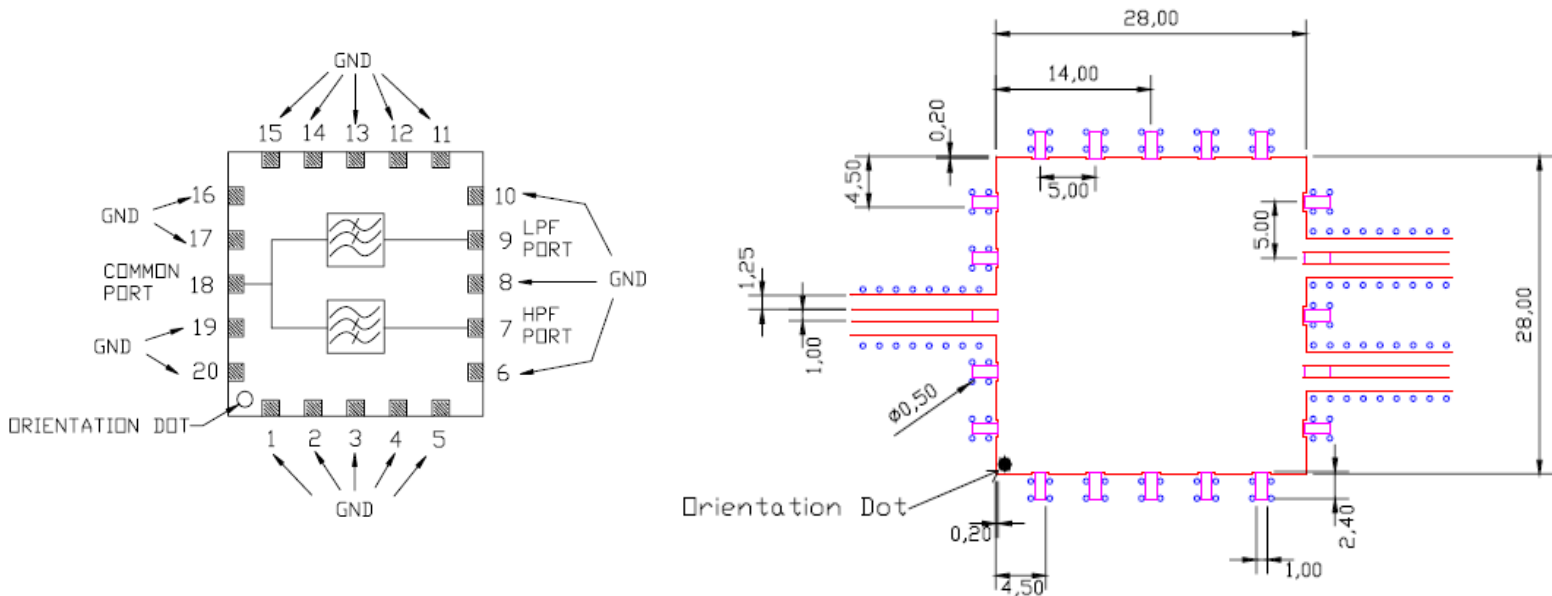
Feature:

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



Tolerance ± 0.1 Unit mm

Schematic



Suggest pcb design

Tolerance ± 0.1 Unit mm



Description.

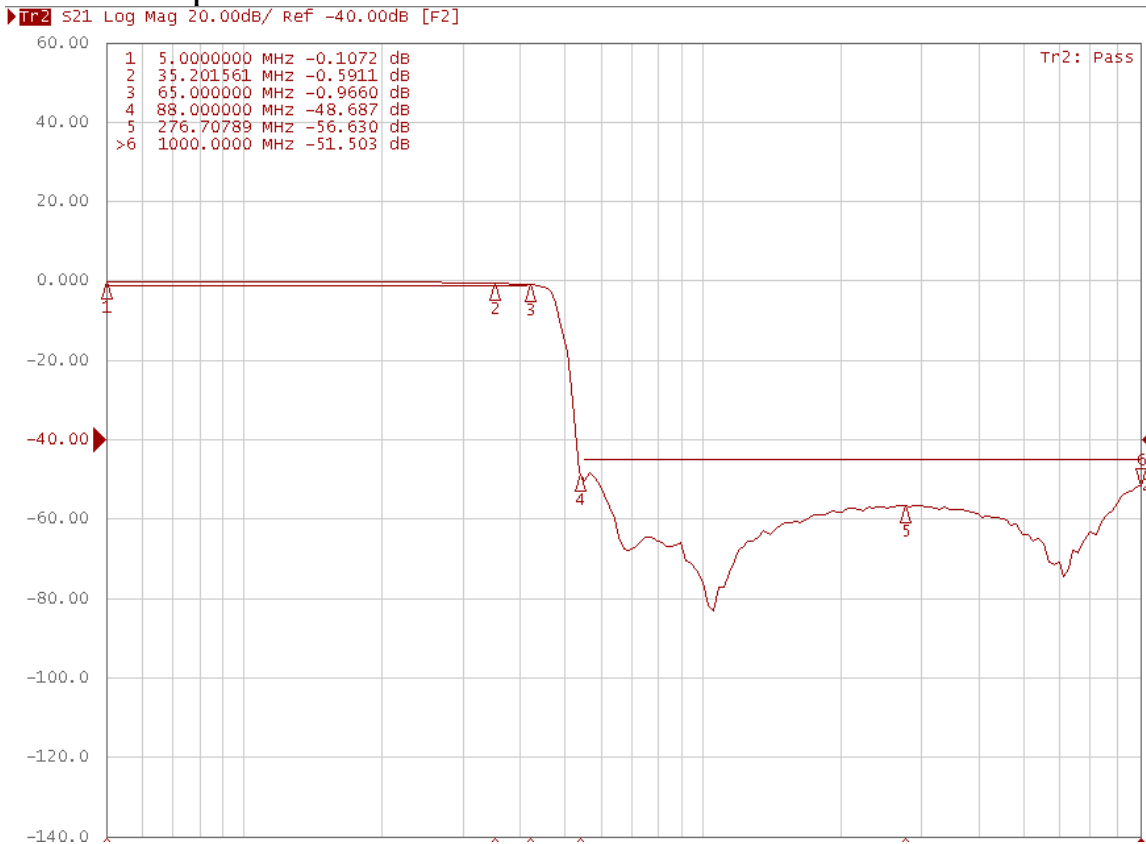
LH S013212 is a Low Cost, Non Hermetically Sealed surface mount Diplex Filter unit designed for CATV, DTV and DBS applications.

PIN CONFIGURATION

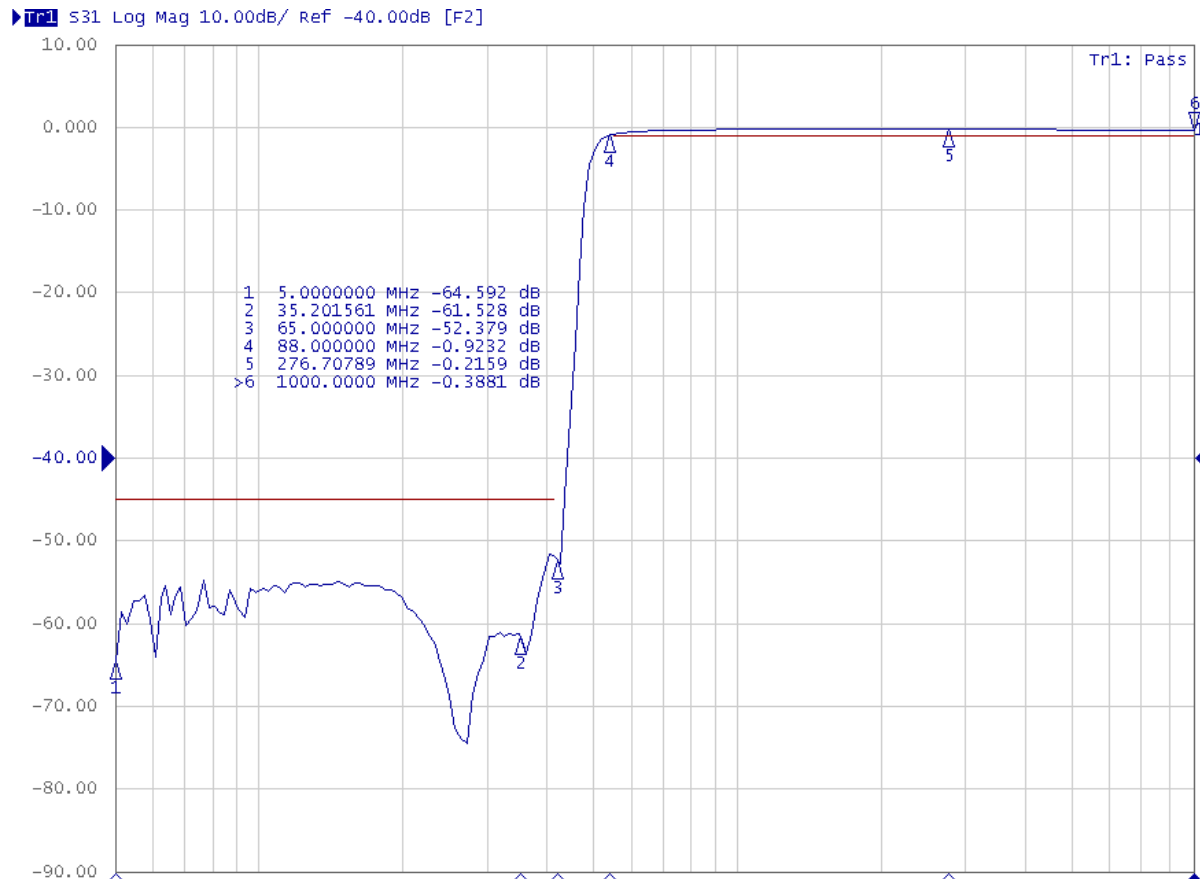
PIN	FUNCTION
1-6,8,10-17,19,20	Ground
18	Common Port
9	Low Pass Port
7	High Pass Port

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Common to Low Pass Port	5-65MHz	dB	---	0.5	1.0
Common to High Pass Port	88-1002MHz	dB	---	0.5	1.2
Insertion Loss Flatness	5-65MHz 88-1002MHz	dB	---	---	0.5
Rejection	5-65MHz	dB	45	50	---
	88-1002MHz	dB	45	50	---
Return Loss Input	5-65MHz	dB	17	20	---
Return Loss Output	88-1002MHz	dB	17	20	---
Isolation	5-65MHz	dB	45	50	---
	88-1002MHz	dB	45	50	---
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				

Common to low pass

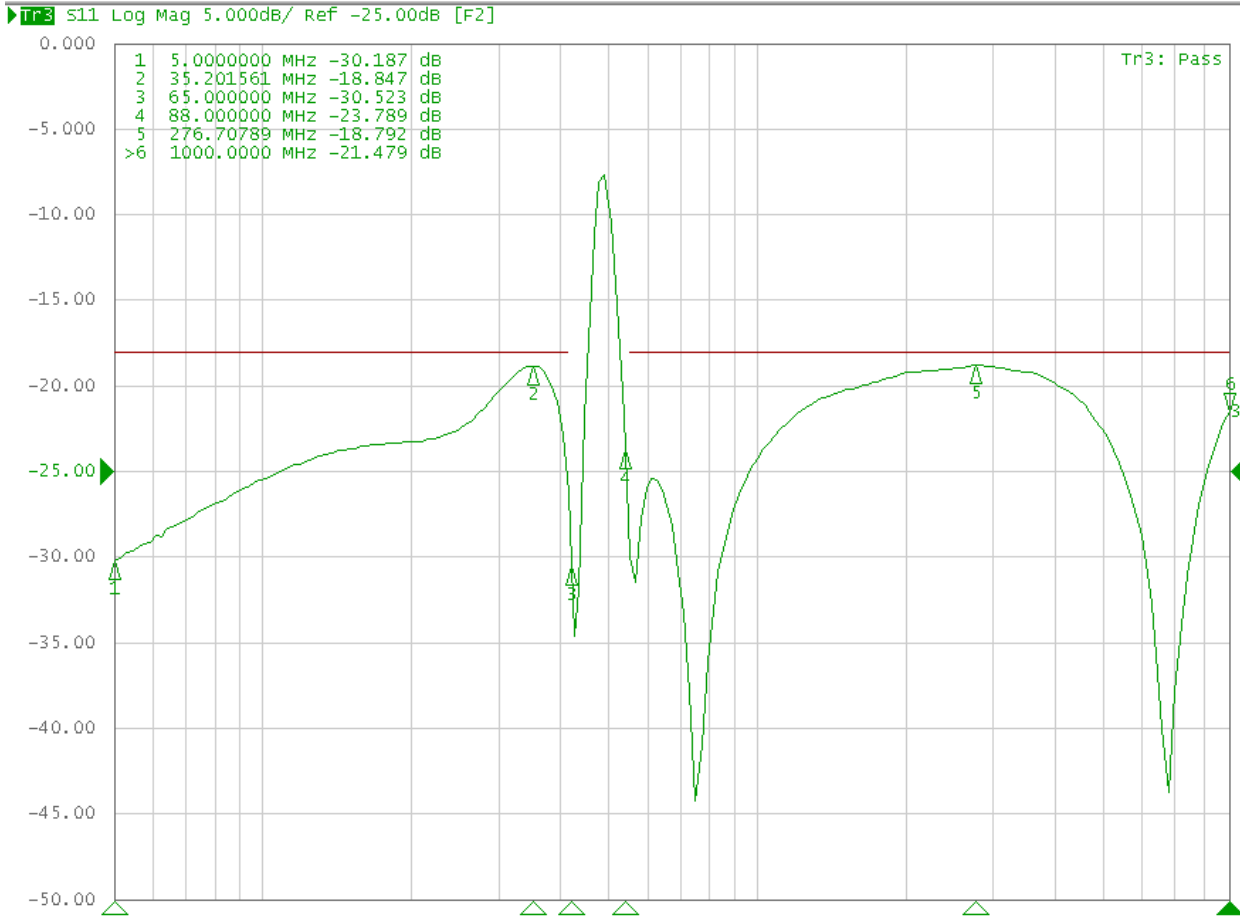


Common to high pass





Input return loss



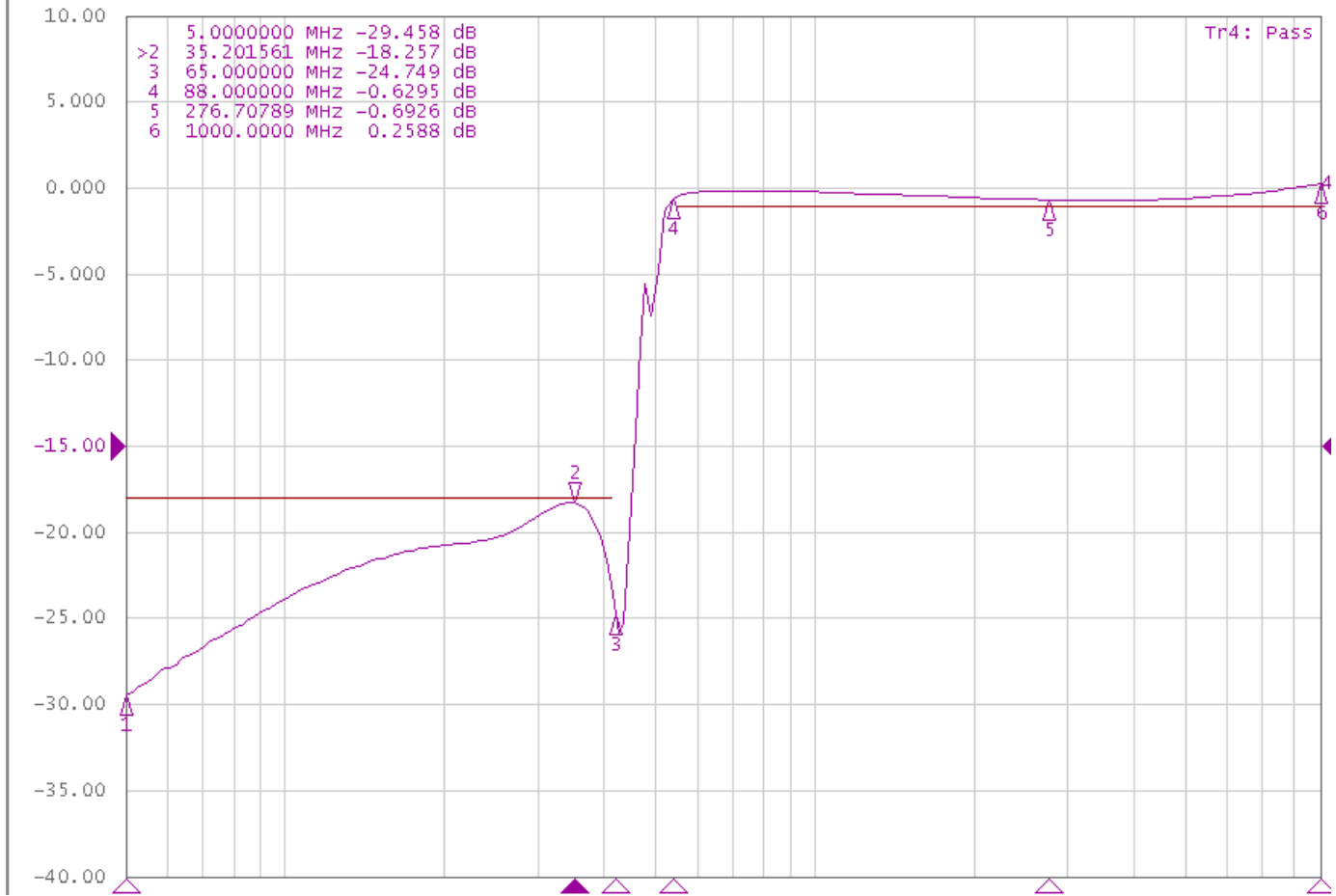
High Pass Filter Output Return Loss





Low Pass Filter Output Return Loss

Tr4 S22 Log Mag 5.000dB/ Ref -15.00dB [F2]



Filter Isolation

