

## Features

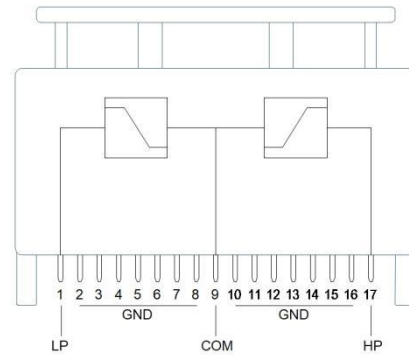
- 75 Ohm
- Plug in Design
- RoHS compliant
- Low Insertion Loss
- Excellent Cross over Isolation
- Small thickness

## Introduction

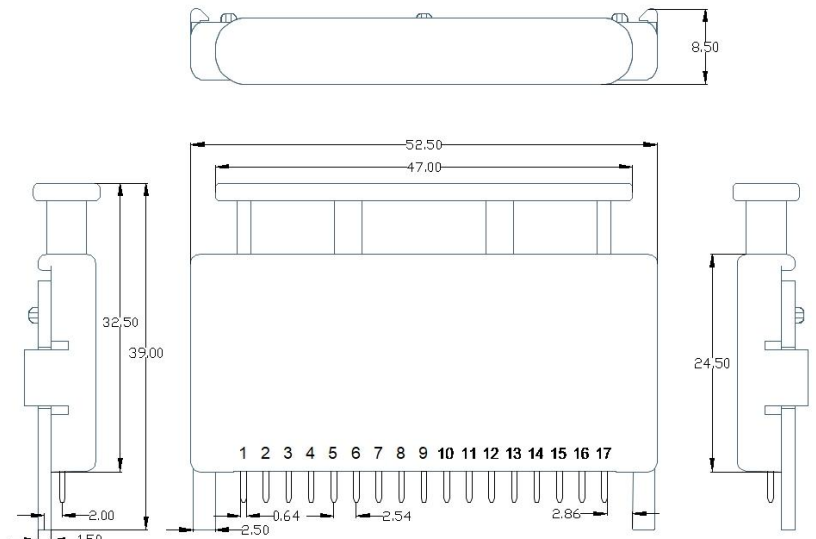
"Sanland" Diplex Filter Unit products, having low insertion loss and low reflection characteristics. To reduce the complexity of the calibration work, can simplify the circuit design.



## Functional Schematic



## Dimension (Unit: mm, Tolerance: ±0.2mm)



## Pin Configuration

Pin number	Function
1	Low Pass Port
2~8	GND
9	Common
10~16	GND
17	High pass port

## Electrical specifications: $T_A = 25^\circ\text{C}$ , $Z_0 = 75\Omega$

Parameter		Test conditions	Min.	Max.	Units
Frequency range		5 ~ 684MHz			
		834 ~ 1794MHz			
Insertion loss		5 ~ 684 MHz @684MHz	-	1.5	dB
		834 ~ 1794MHz @834MHz	-	1.5	dB
		834 ~ 1794MHz @1794MHz	-	1.5	dB
Crossover Isolation	HP-LP	685 ~ 833MHz	45	-	dB
Out of Band Rejection	High Pass	5-684MHz	45	-	dB
Out of Band Rejection	Low Pass	834-1000MHz	50	-	dB
		1001-1220MHz	45	-	dB
		1221-1794MHz	40	-	dB
Return loss		5 ~ 684MHz	-	-20	dB
		834 ~ 1000MHz	-	-20	dB
		1001 ~ 1794MHz	-	-19	dB