

Features

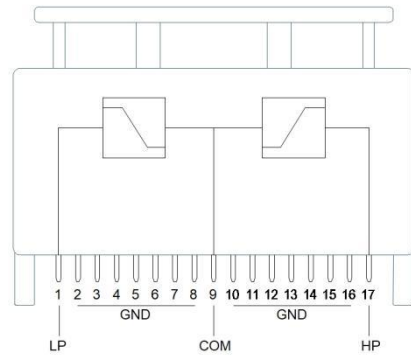
- 75 Ohm
- Plug in Design
- RoHS compliant
- Low Insertion Loss
- Excellent Cross over Isolation
- Small thickness

Introduction

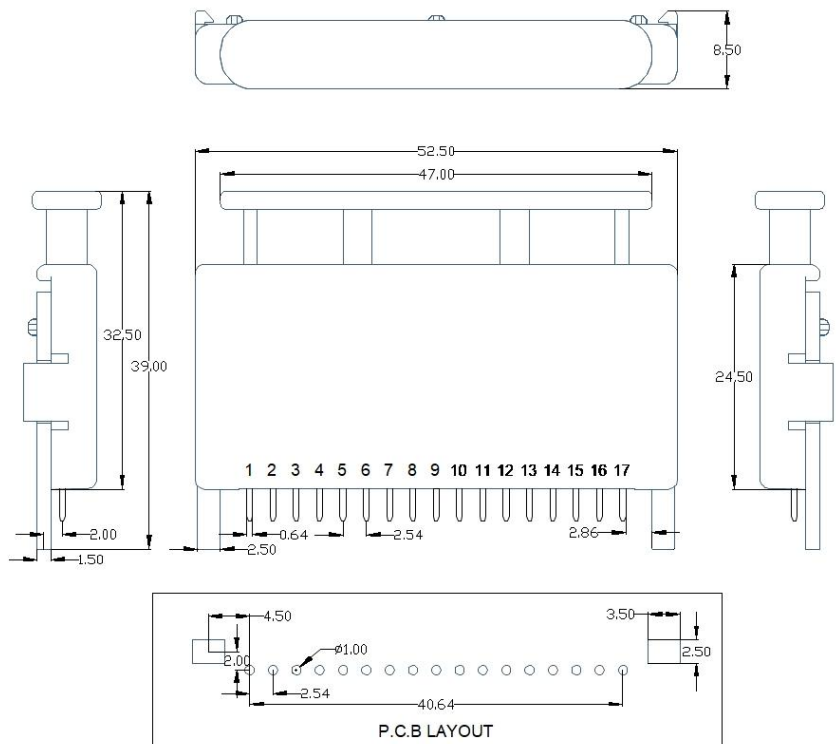
"Sanland" Diplex Filter Unit products, having low insertion loss and low reflection characteristics. To reduce the complexity of the calibration work, can simplify the circuit design.



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 ~ 396MHz			
		492 ~ 1794MHz			
Insertion loss		5 ~ 396 MHz @396MHz	-	1.2	dB
		492 ~ 1794MHz @492MHz	-	1.2	dB
		492 ~ 1794MHz @1794MHz	-	1.4	dB
Crossover Isolation	HP-LP	397 ~ 491MHz	40	-	dB
Out of Band Rejection	High Pass	5-396MHz	50	-	dB
Out of Band Rejection	Low Pass	492-600MHz	50	-	dB
		601-1000MHz	45	-	dB
		1001-1794MHz	40	-	dB
Return loss		5 ~ 396MHz	-	-20	dB
		492 ~ 600MHz	-	-20	dB
		601 ~ 1794MHz	-	-19	dB