Part No. WFIL-D6-20F

I.S:50dB B1:DC-6MHz B2:9-20MHz Diplexer/SMA



Features:

- Low VSWR
- Low Insertion Loss
- High Performance

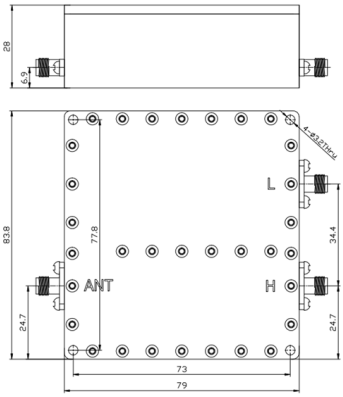
RoHS Compliant

Electrical Specification	
Description	Diplexer Filter
High Band	
Passband	DC-6MHz
Insertion Loss	2.0dB max.
VSWR	1.6:1 max.
Rejection	50dB min.@10-20MHz
Low Band	
Passband	9-20MHz
Insertion Loss	2.0dB max.
VSWR	1.6:1 max.
Rejection	70dB min.@DC-5MHz
Impedance	50 Ohm
Power Handling	5W
Connector Type	SMA Female

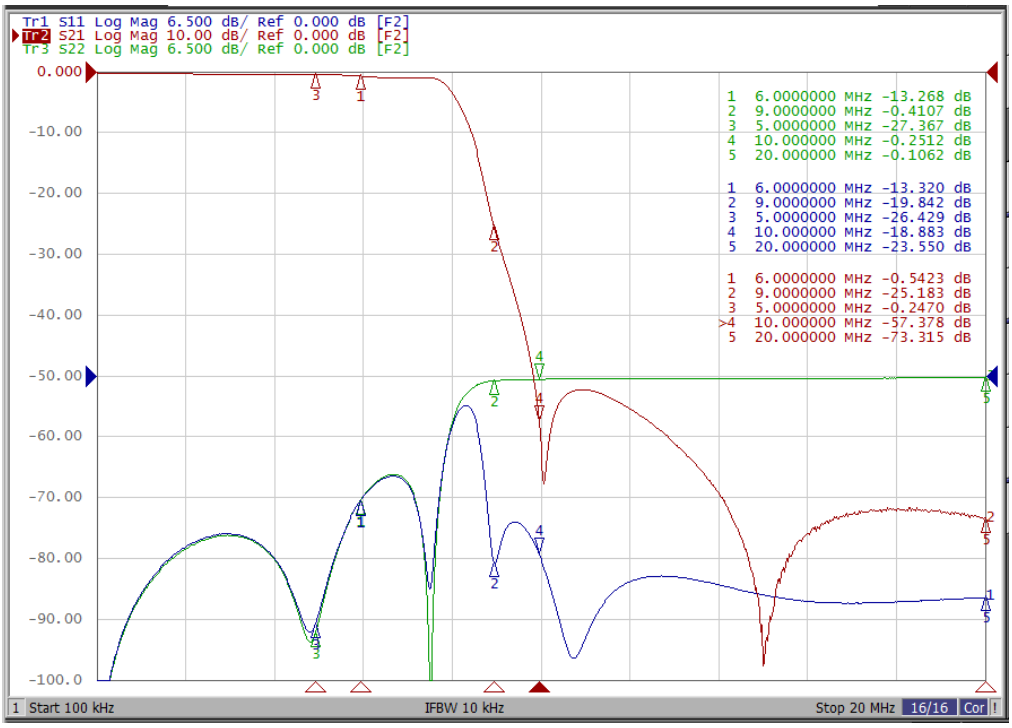
Environmental Specification	
Operating Temperature	0～+55℃

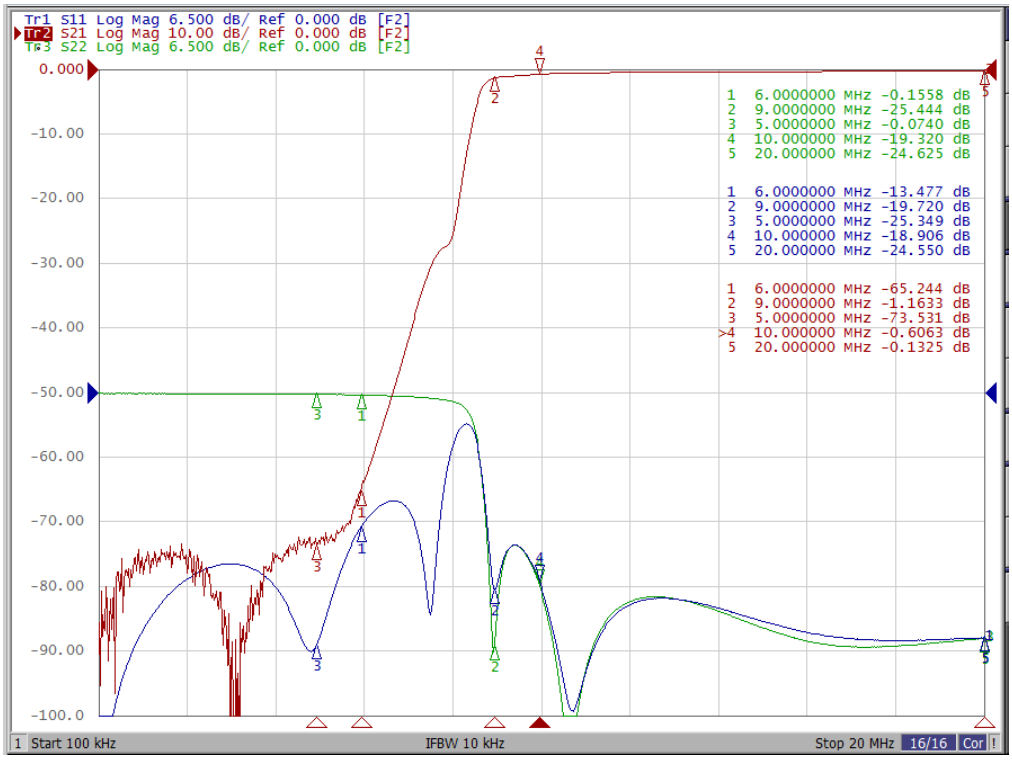
Outline

Unit:mm



Test Curve


Tr1 S11 Log Mag 6.500 dB/ Ref 0.000 dB [F2]
Tr2 S21 Log Mag 10.00 dB/ Ref 0.000 dB [F2]
Tr3 S22 Log Mag 6.500 dB/ Ref 0.000 dB [F2]
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.0
1 6.0000000 MHz -13.268 dB
2 9.0000000 MHz -0.4107 dB
3 5.0000000 MHz -27.367 dB
4 10.000000 MHz -0.2512 dB
5 20.000000 MHz -0.1062 dB
1 6.0000000 MHz -13.320 dB
2 9.0000000 MHz -19.842 dB
3 5.0000000 MHz -26.429 dB
4 10.000000 MHz -18.883 dB
5 20.000000 MHz -23.550 dB
1 6.0000000 MHz -0.5423 dB
2 9.0000000 MHz -25.183 dB
3 5.0000000 MHz -0.2470 dB
>4 10.000000 MHz -57.378 dB
5 20.000000 MHz -73.315 dB
1 Start 100 kHz
IFBW 10 kHz
Stop 20 MHz
16/16
Cor


Tr1 S11 Log Mag 6.500 dB/ Ref 0.000 dB [F2]
Tr2 S21 Log Mag 10.00 dB/ Ref 0.000 dB [F2]
Tr3 S22 Log Mag 6.500 dB/ Ref 0.000 dB [F2]
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.0
1 6.0000000 MHz -0.1558 dB
2 9.0000000 MHz -25.444 dB
3 5.0000000 MHz -0.0740 dB
4 10.000000 MHz -19.320 dB
5 20.000000 MHz -24.625 dB
1 6.0000000 MHz -13.477 dB
2 9.0000000 MHz -19.720 dB
3 5.0000000 MHz -25.349 dB
4 10.000000 MHz -18.906 dB
5 20.000000 MHz -24.550 dB
1 6.0000000 MHz -65.244 dB
2 9.0000000 MHz -1.1633 dB
3 5.0000000 MHz -73.531 dB
>4 10.000000 MHz -0.6063 dB
5 20.000000 MHz -0.1325 dB
1 Start 100 kHz
IFBW 10 kHz
Stop 20 MHz
16/16
Cor