Part No. WFIL-D60-200F

I.S:50dB B1:DC-60MHz B2:80-200MHz Diplexer/SMA



Features:

- Low VSWR
- Low Insertion Loss
- High Performance

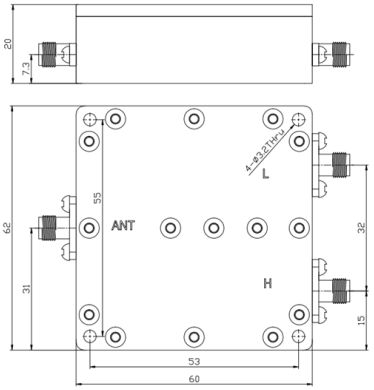
RoHS Compliant

Electrical Specification	
Description	Diplexer Filter
High Band	
Passband	DC-60MHz
Insertion Loss	1.5dB max.
VSWR	1.5:1 max.
Rejection	50dB min.@100-200MHz
Low Band	
Passband	80-200MHz
Insertion Loss	1.5dB max.
VSWR	1.5:1 max.
Rejection	70dB min.@DC-50MHz
Impedance	50 Ohm
Power Handling	5W
Connector Type	SMA Female

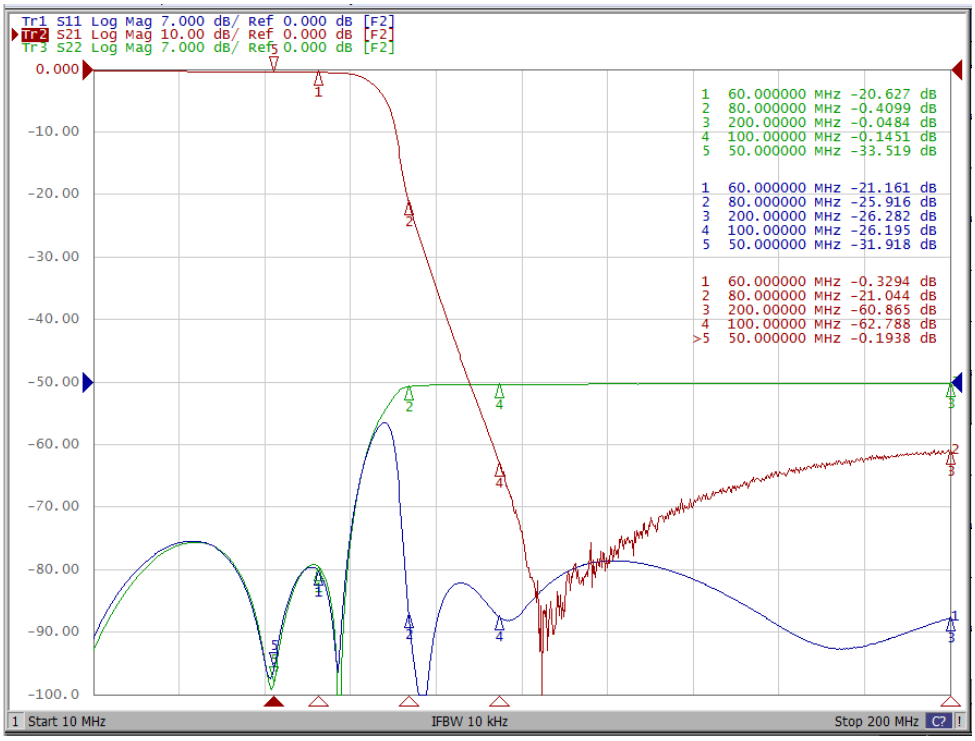
Environmental Specification	
Operating Temperature	0～+55℃

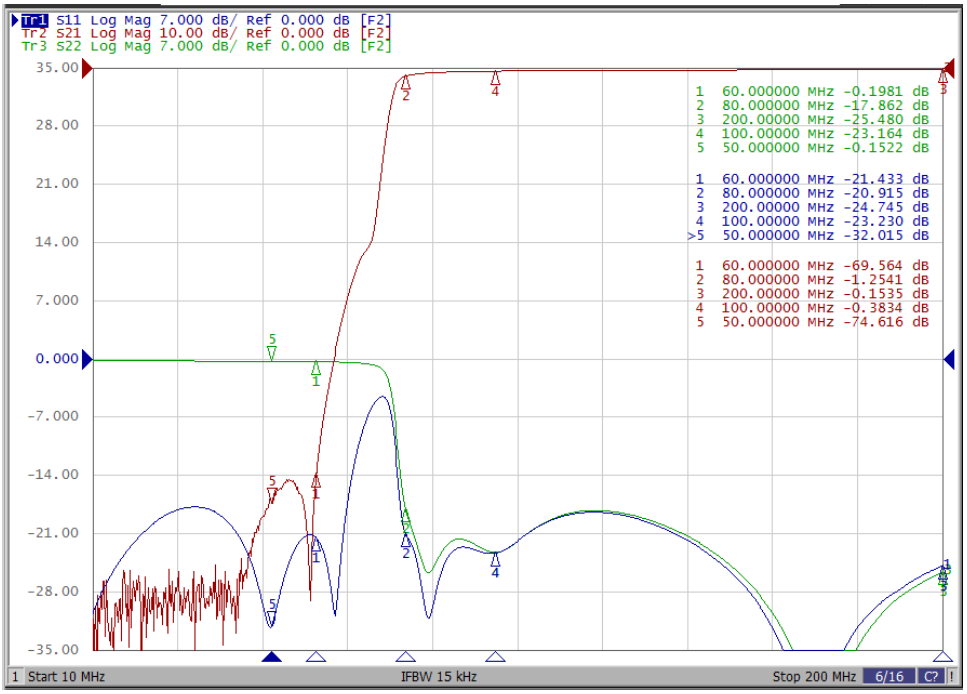
Outline

Unit:mm



Test Curve


Tr1 S11 Log Mag 7.000 dB/ Ref 0.000 dB [F2]
Tr2 S21 Log Mag 10.00 dB/ Ref 0.000 dB [F2]
Tr3 S22 Log Mag 7.000 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 60.000000 MHz -20.627 dB
2 80.000000 MHz -0.4099 dB
3 200.00000 MHz -0.0484 dB
4 100.00000 MHz -0.1451 dB
5 50.000000 MHz -33.519 dB
1 60.000000 MHz -21.161 dB
2 80.000000 MHz -25.916 dB
3 200.00000 MHz -26.282 dB
4 100.00000 MHz -26.195 dB
5 50.000000 MHz -31.918 dB
1 60.000000 MHz -0.3294 dB
2 80.000000 MHz -21.044 dB
3 200.00000 MHz -60.865 dB
4 100.00000 MHz -62.788 dB
>5 50.000000 MHz -0.1938 dB
1 Start 10 MHz
IFBW 10 kHz
Stop 200 MHz


Tr1 S11 Log Mag 7.000 dB/ Ref 0.000 dB [F2]
Tr2 S21 Log Mag 10.00 dB/ Ref 0.000 dB [F2]
Tr3 S22 Log Mag 7.000 dB/ Ref 0.000 dB [F2]
35.00
28.00
21.00
14.00
7.000
0.000
-7.000
-14.00
-21.00
-28.00
-35.00
1 60.000000 MHz -0.1981 dB
2 80.000000 MHz -17.862 dB
3 200.00000 MHz -25.480 dB
4 100.00000 MHz -23.164 dB
5 50.000000 MHz -0.1522 dB
1 60.000000 MHz -21.433 dB
2 80.000000 MHz -20.915 dB
3 200.00000 MHz -24.745 dB
4 100.00000 MHz -23.230 dB
>5 50.000000 MHz -32.015 dB
1 60.000000 MHz -69.564 dB
2 80.000000 MHz -1.2541 dB
3 200.00000 MHz -0.1535 dB
4 100.00000 MHz -0.3834 dB
5 50.000000 MHz -74.616 dB
1 Start 10 MHz
IFBW 15 kHz
Stop 200 MHz
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