

# **SPECIFICATION**

## **COMMERCIALY AVAILABLE**

**PART NUMBER: FNP-1551**  
**CAVITY BAND PASS FILTER**

<b>ISSUED / REVISION</b>	<b>ENGINEER APPROVED</b>	<b>DOCUMENT CHECKED</b>	<b>DRAFTSMAN</b>
10/25/2024 (ASM)	10/25/2024 (TG)		

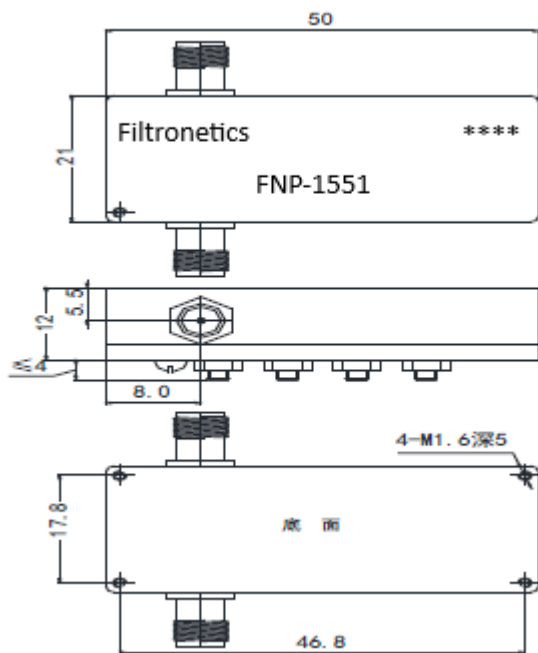
***FILTRONETICS Inc***

1. Part Number: FNP-1551

2. Electrical Specifications:

ITEM		SPEC
1	Center Frequency [f <sub>0</sub> ]	8200 MHz
2	Bandwidth [BW]	f <sub>0</sub> ± 200 [8000~8400] MHz
3	Insertion Loss in BW	3.0 dB max
4	Ripple in BW	0.5 dB max.
5	Return Loss in BW	15 dB min.
6	Attenuation (Absolute Value)	76 dB min. @ 8600~17000 MHz 73 dB min. @ 10~7800 MHz
7	In/Out Impedance	50 Ω
8	Power	30 dBm max.
9	Operating Temperature Range	-40℃ to +85℃
10	Connector Type	SMA
11	Surface Finish	Painted Black (or TBD)

3. Mechanical Package Style:



Marking:  
 Filtronetics  
 FNP-1551  
 Date Code: YYWW  
 Dimensions: mm  
 Tolerance: ± 0.20

4. Response Plots: To be added after production