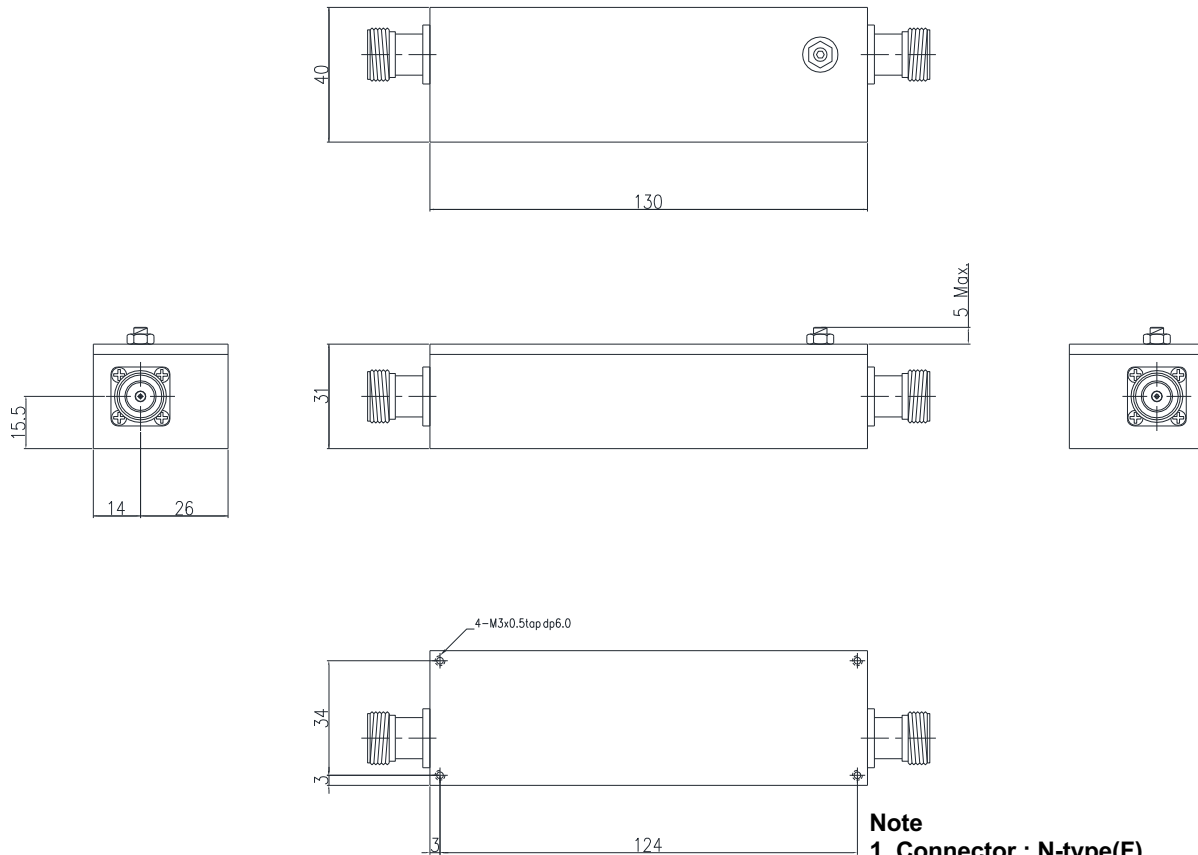


# HD34164

# Cavity Band Pass Filter

PRELIMINARY SPECIFICATION

## ■ Mechanical Drawing



- Note**
1. Connector : N-type(F)
  2. Finish : Black epoxy
  3. Mounting : 4x holes

## ■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency [Fc]	1792.5MHz	
2. Pass Band [1dB BW]	1710~1875MHz (Fc ± 82.5MHz)	
3. Insertion Loss	1.5 dB Max.	
4. VSWR	1:1.4 Max.	

## HD34164

## Cavity Band Pass Filter

5. Rejection	DC~1600MHz	60 dB Min.	
	1925~6000MHz	60 dB Min.	
6. Power Handling		10W CW	
7. In/Out Impedance		50Ω	
8. Size		130.0 × 40.0 × 31.0 mm	proposal

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

### ■ Environmental Specification

Parameter	Specification	Remark
1. Operation Temperature	-20°C ~ +80°C	
2. Storage Temperature	-20°C ~ +80°C	
3. Relative Humidity	10% ~ 95%	
4. Random Vibration	MIL-STD-810 F Method 514.4 Procedure C1. 3 Axis, 20 min per each axis	
5. Dust	MIL 810F Method 510.4 Procedure III settling dust	
6. Safety Requirement	Approved according to UL/CE or similar standards	

Remarks: This is a preliminary datasheet for reference. The final performance is subject to the sample.

■ Simulation Data

