

# SYTFB081RC0S

# Surface mounted bandpass filter

### **Description**

Yantel's surface mounted bandpass filters have the advantages of low insertion loss and return loss, small size, high rejection, good product consistency, etc. The product adopts high-precision thick film manufacturing process, suitable for mass production, competitive cost, and has obvious cost advantages compared with thin film filters.

#### **Features**

- Small size
- Low loss, High rejection
- With shielding cover
- SMD Surface mounted
- Humidity level:MSL1
- Working temperature:-55 to +85°C
- Characteristic Impedance:50Ω
- Tape package
- Competitive price and suitable for large volume use

## Technical Data (Normal temperature +25°C)

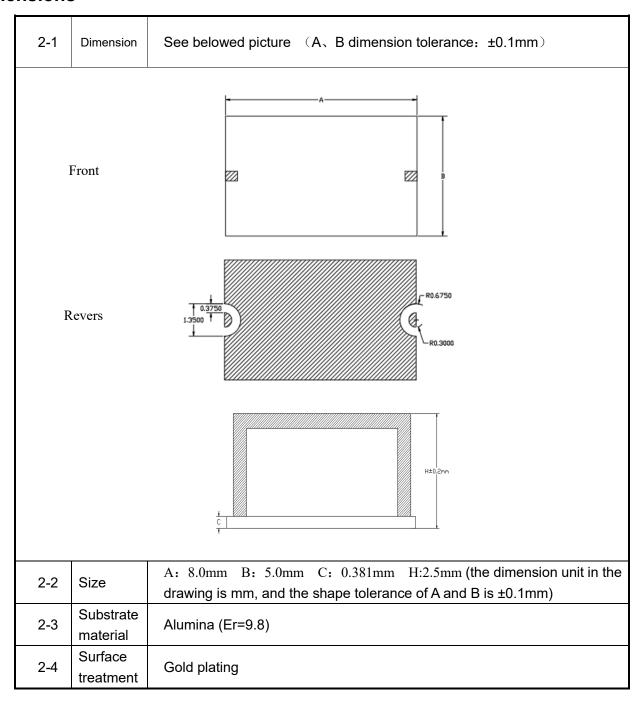
No.	Parameter		Min.	Typical	Max.	Unit	
1-1	Model No.			SYTFB081RC0S			
1-2	Size			8mm*5mm*2.5mm			
1-3	Central Frequency f <sub>0</sub>			8.55		GHz	
1-4	Working Frequency		6		11	GHz	
1-5	Central Loss			2.5		dB	
1-6	Band fluctuation			1	1.5	dB	
1-7	Return Loss		12	15		dB	
1 0	Rejection	@5.5GHz	18	20		dBc	
1-8		@12GHz	40	45			
1-9	Power					dBm	
1-10	Working temperature		-55		+85	°C	
1-11	Storage temperature		-55		+125	°C	
1-12	Output installation	method		Surface mounted			



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#### **Dimensions**



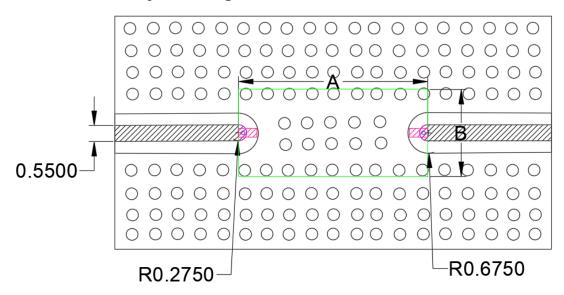
#### **Version status**

Version No.	Version date	File status
V1	20250507	<b>✓</b>

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### Recommended assembly drawing



## Remark point:

- 1. Testing Substrate material is Rogers4350B(Er=3.66),thickness is 0.254mm
- 2. Make sure there is enough solder on the bottom surface of the filter and ensure good grounding.
- 3. The maximum temperature during assembly is 250°C.

#### Simulation Curve:

