

SYTFL185XF4S

Surface mounted low-pass filter

Description

Yantel's surface mounted low-pass 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)

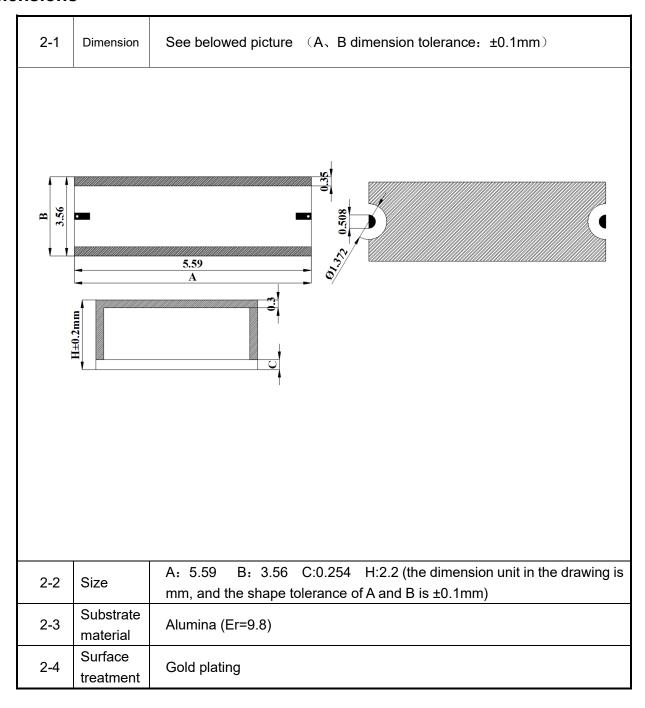
No.	Parameter		Min.	Typical	Max.	Unit
1-1	Model No.		SYTFL185XF4S			
1-2	Size		5.59mm*3.56mm*2.2mm			
1-3	Cut-off Frequ	uency f _c		18.0		GHz
1-4	Working Fre	quency	DC		18.0	GHz
1-5	Insertion Loss			2.5	3.0	dB
1-6	Return Loss		15	20		dB
1-7	Hight Side Rejection	@20.9- 39.5GHz	20	25		dB
1-8	Power					dBm
1-9	Working temperature		-55		+85	°C
1-10	Storage temperature		-55		+125	°C
1-11	Output installation method		Surface mounted			



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Dimensions



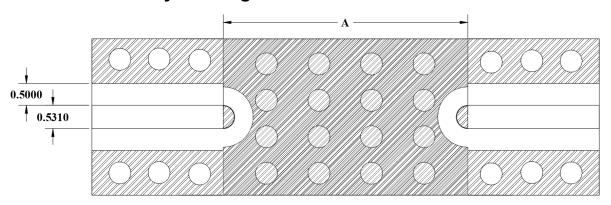
Version status

Version No.	Version date	File status
V4	20250523	\checkmark

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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:

