

SYTFB058MD7S

5.6GHz Surface Mount Bandpass Filter

Frequency Range

(GHz)

5.5 - 6.2

DC - 2.25

8.0 - 13.0

*Electrical specifications based on typical probed performance at room temperature. Insertion loss

Min

10

60

50

7.5

12.07 x 6.98 x 2.62 mm

Тур.

1.5

18

65

60

Max

2.5

10

Description

Yantel's surface mount catalog bandpass filters utilize Yantel's low loss temperature stable materials which offer small size and minimal performance variation over temperature. The catalog BPF's are offered in a variety of frequency bands, which offers a drop in solution with highly repeatable performance.

Features

- Small Size
- Fully Shielded Component
- Solder Surface Mount Package
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Ch

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Specifications*

Parameter

Insertion Loss

(dB)

Return Loss

(dB)

Low Side

Rejection (dB) **High Side**

Rejection (dB)

CW Input

Power** (W)

Size (L x W x H)

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*Typical de-embedded measured performance mounted on a connectorized test fixture. DEB is 0.254mm RO4350B with 50.00hm CPW ground traces going into the ports at room temperature.



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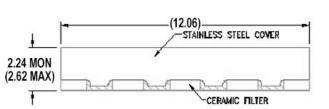
Physical Dimensions

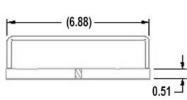
Units = mm

Top View

6.98±0.05 SYTFB058MD7S

Side View





DETAIL A

(2 PLACES)

-0.635-

0.305

1

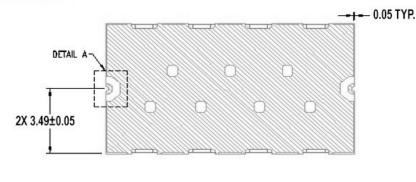
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0.051-

1.346 0.584 0.305

End View

Bottom View



Notes :

- 1. Termination Finish:
 - ENIG: 76-152 µm Au over 1270 µm Ni
- 2. Maximum Assembly Process Temperature: 250°C
- 3.Dimension tolerance: ±0.05

0.381

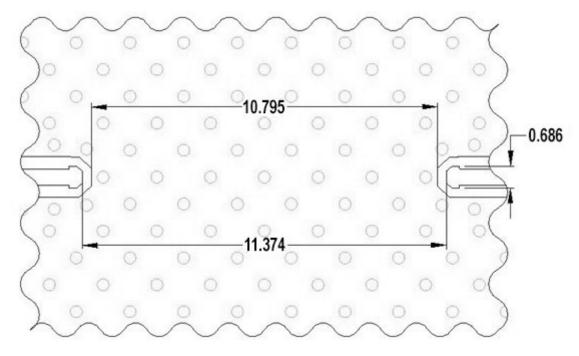
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Recommended PCB Layout



Units = mm

Note:

- 50Ω trace dimensions are application specific.
- Ensure adequate grounding beneath the part.