

# 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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	-80		$\gamma \sim$					L .	V	N.				.

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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#### Ty

\*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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# 5.6GHz Surface Mount Bandpass Filter

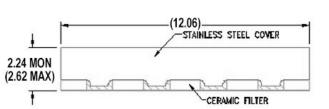
### **Physical Dimensions**

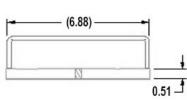
Units = mm

## **Top View**

6.98±0.05 SYTFB058MD7S

### Side View





DETAIL A

(2 PLACES)

-0.635-

0.305

1

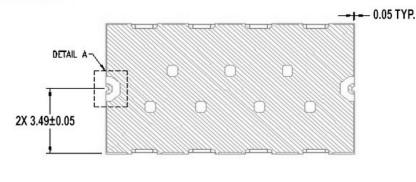
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0.051-

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

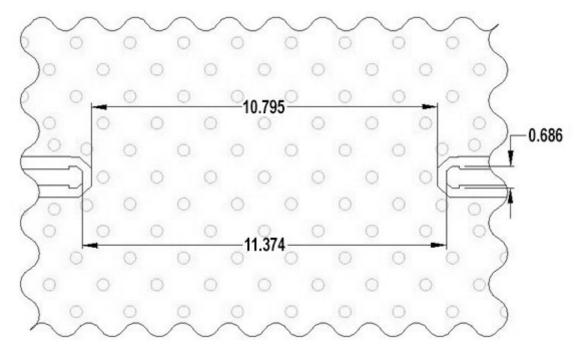
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# SYTFB058MD7S

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#### **Recommended PCB Layout**



Units = mm

#### Note:

- $50\Omega$  trace dimensions are application specific.
- Ensure adequate grounding beneath the part.