

SYTFB148LA2S

14.75GHz Surface Mount Bandpass Filter

Frequency Range

(GHz)

14.5 - 15.0

DC - 13.25

16.0 - 21.0

*Electrical specifications based on typical probed performance at room temperature. Insertion loss shall vary ±0.5dB over temperature.

**Power rating assumes the component will be mounted to a PCB with good thermally conducting ground vias as outlined in the recommended PCB layout that are connected to an adequate heat

Min

12.0

40.0

40.0

15

0.450 x 0.180 x 0.098 in

11.43 x 4.57 x 2.5 mm

Тур.

3.25

15.0

45.0

45.0

Max

3.5

5

Description

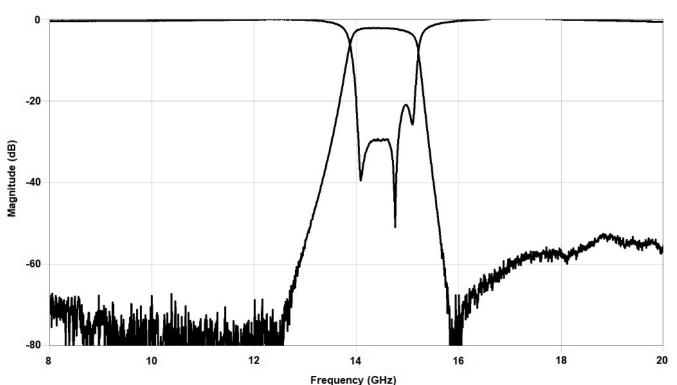
Yantel's surface mount catalog bandpass filters utilize Yantel's low loss temperature stable materials which offer small size and minimal performance variation over temperature. The catalog BPF's are offered in a variety of frequency bands, which offers a drop in solution with highly repeatable performance.

Features

Small Size

at room temperature.

- Fully Shielded Component
- Solder Surface Mount Package
- Moisture Sensitivity Level: MSL1
- Frequency Stable over Temperature
- Operating & Storage Temp: -55°C to +125°C
- Characteristic Impedance: 50Ω



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)

sink. Max power is based on 125°C base temperature.

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Typical Measured Performance

Yantel Corporation

*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

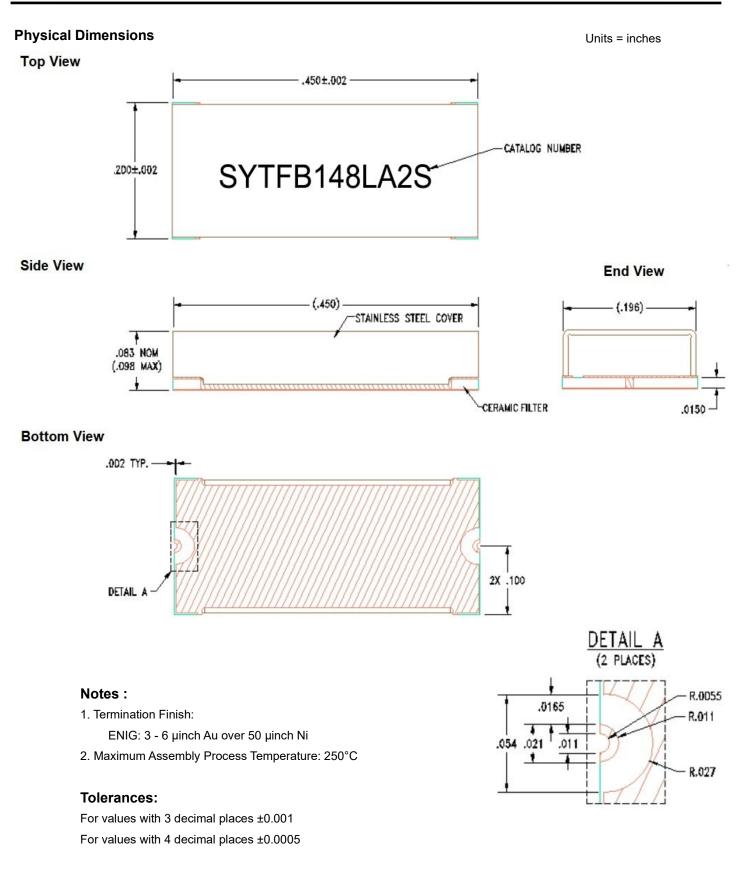
Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China Tel: 86-755-8355-1886 Fax: 86-755-8355-2533 For detailed performance specs & shopping online see Yantel web site : <u>www.yantel-corp.com</u>

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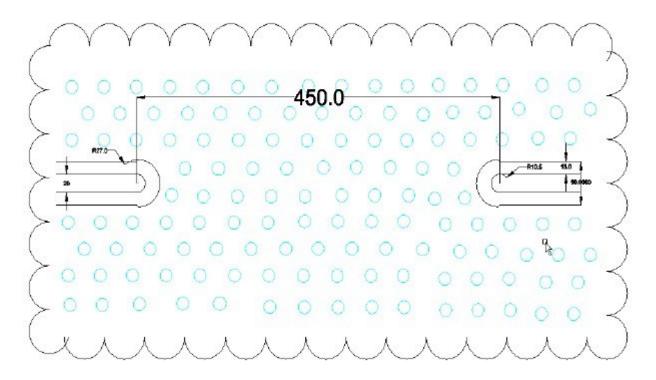
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Recommended PCB Layout



Unit = mils

Note:

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