



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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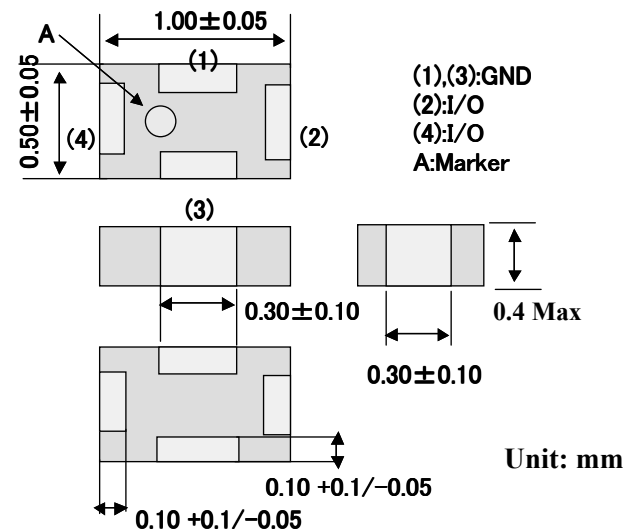


FI 105L186822-T (Development code: FI105L1868XL01)

■ Feature

- _ Very Small Package (1.0 x 0.5mm)
- _ Low Profile (0.4mm Max)
- _ Low Loss Type

■ Shapes & Dimensions



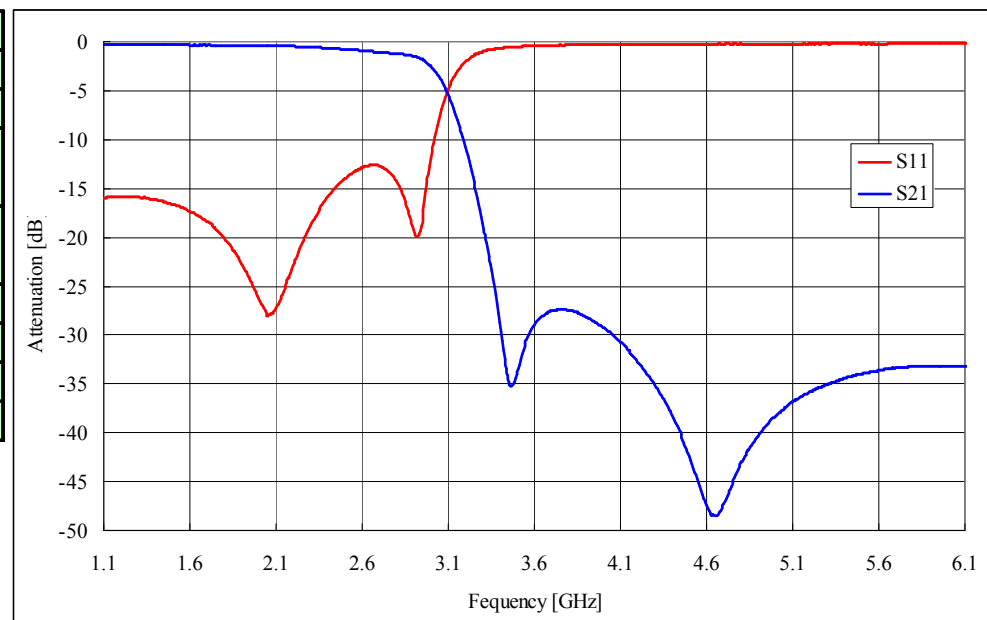
■ Electrical Characteristics

| | | Specification | Typical Data* |
|-------------------------------|----------------|--|---------------|
| Pass Band Frequency 1 | | 1710 - 1910MHz | ← |
| Pass Band Frequency 2 | | 1910 - 2025MHz | ← |
| Insertion Loss at Pass Band 1 | | 0.45dB Max. (25 deg-C) 0.6dB Max. (-40~+85 deg-C) | 0.33dB |
| Insertion Loss at Pass Band 2 | | 0.5dB Max. (25 deg-C) 0.65dB Max. (-40~+85 deg-C) | 0.39dB |
| V.S.W.R. at Pass Band | | 1.7 Max. | 1.3 |
| Attenuation | 3420 - 3820MHz | 22dB Min. | 28dB |
| | 3820 - 4050MHz | 25dB Min. | 32dB |
| | 5130 - 6075MHz | 25dB Min. | 32dB |

* Insertion Loss of evaluation board is excluded. (App. 0.09dB at 1910MHz)

Note : All the specifications are subject to change without notice.

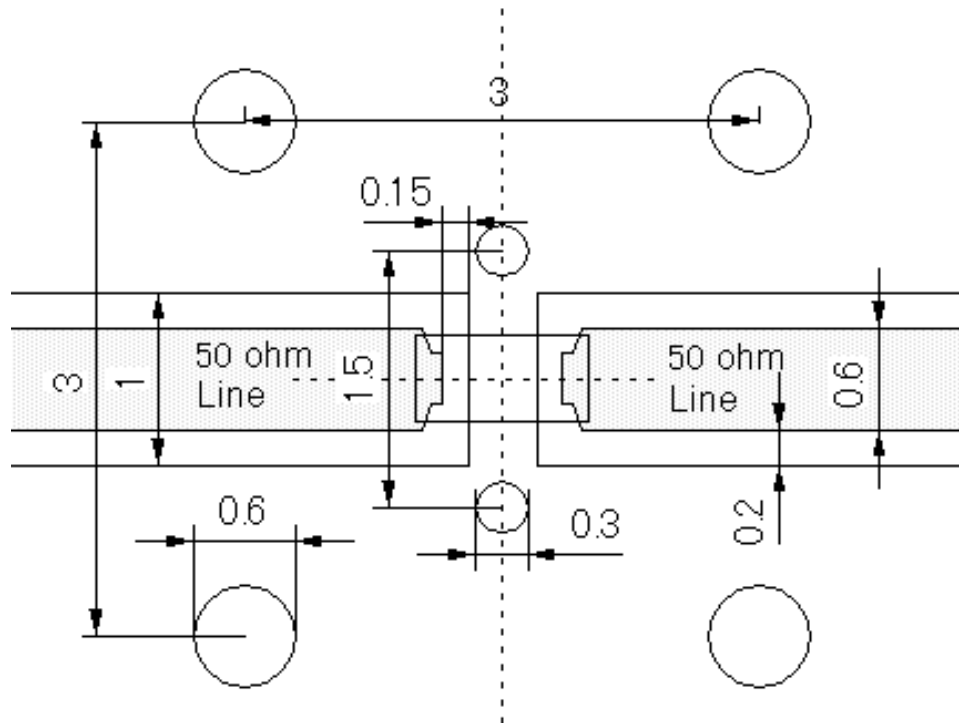
■ Actual Data



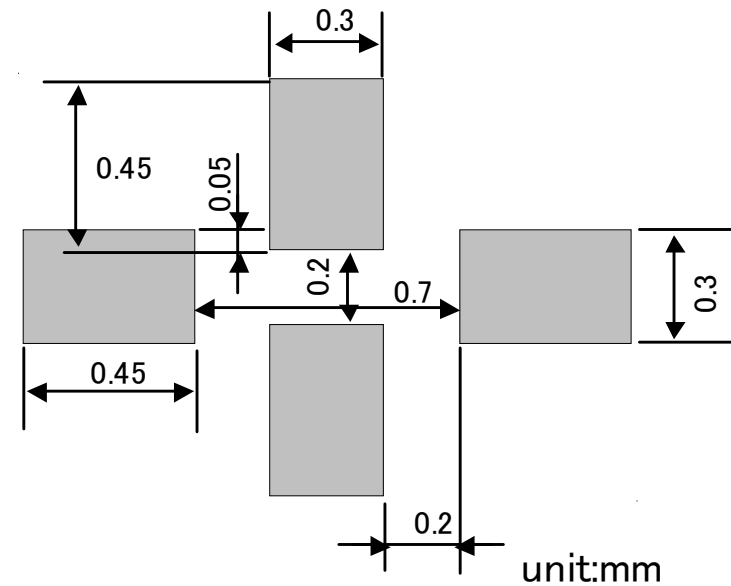
The Example of a Land Pattern

■ Multilayer Filter (FI 105B Series, FI 105L Series)

Electrodes pattern



Resist pattern



※Dimension examples of recommended land pattern (Thickness: 0.4mm, BT resin($\epsilon r:3.6$), Both side via hole board)

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