

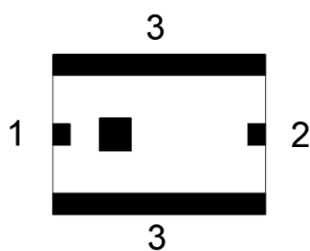
### Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

### Specifications

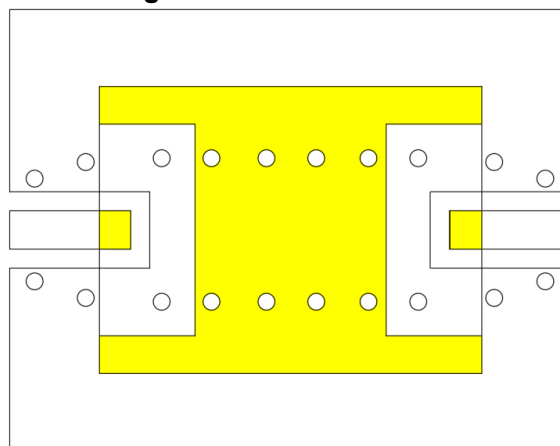
| NO. | Parameter                 | Frequency<br>(MHz) | SPEC |      |      |
|-----|---------------------------|--------------------|------|------|------|
|     |                           |                    | Min. | Typ. | Max. |
| 1   | Insertion Loss (dB) @25°C | 2338~2413          |      |      | 4.0  |
| 2   | Ripple(dB)                | 2338~2413          |      |      | 1.0  |
| 3   | VSWR                      | 2338~2413          |      |      | 2.0  |
| 4   | Attenuation (dB)          | 2188               | 25   |      |      |
|     |                           | 2488               | 10   |      |      |

### Construction



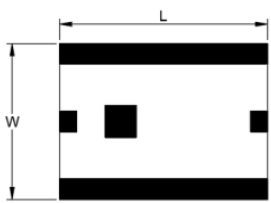
| PIN | Connection  |
|-----|-------------|
| 1   | Input Port  |
| 2   | Output Port |
| 3   | GND         |

### Mounting Considerations

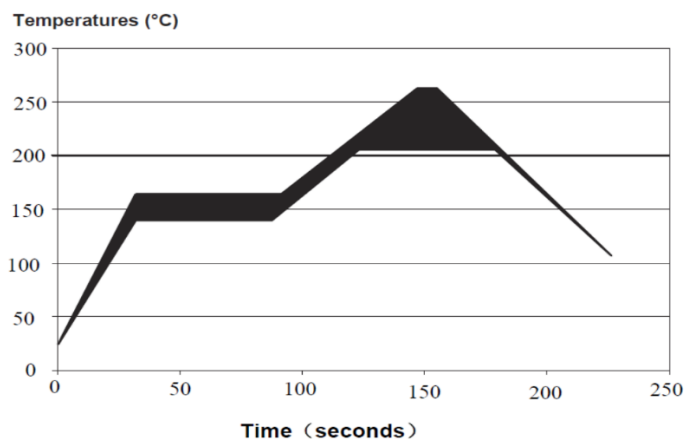


Line width to be designed to match 50  $\Omega$  characteristic impedance, depending on PCB material and thickness

## Dimensions

| Figure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Symbol | Dimension (mm)  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <b>Top View</b><br/>  </div> <div style="text-align: center;"> <b>Side View</b><br/>  </div> </div> <div style="text-align: center; margin-top: 20px;"> <b>Bottom View</b><br/>  </div> | L      | $6.00 \pm 0.20$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | W      | $4.50 \pm 0.20$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T      | 2.00 max.       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A      | $0.60 \pm 0.15$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B      | $3.32 \pm 0.15$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C      | $1.50 \pm 0.15$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D      | $0.50 \pm 0.15$ |

## Solder Reflow Standard Conditioning



## Storage Conditions

**Temperature :** +5 to +30 °C

**Humidity :** 20 to 70% RH

**Term of storage :** Within 12 months (After the delivery) \*

**Baking :** Unnecessary

\* After peeling off cover tape, do not keep exposing the products to the open air. For the products stored longer than 12 months, confirm their terminals and solderability before use.

## Yantel Corporation

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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)