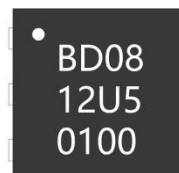
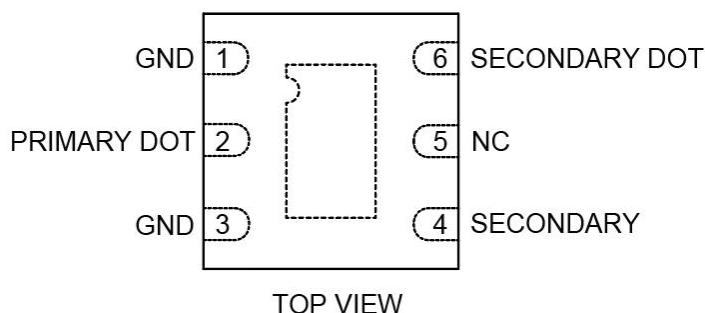


### Features

- Wideband, 8000 to 12000 MHz
- Low insertion loss
- Low unbalance
- Tiny size, 2x2x0.75mm
- Human Body Model (HBM): Class 1B (500 to < 1000V)



### Applications

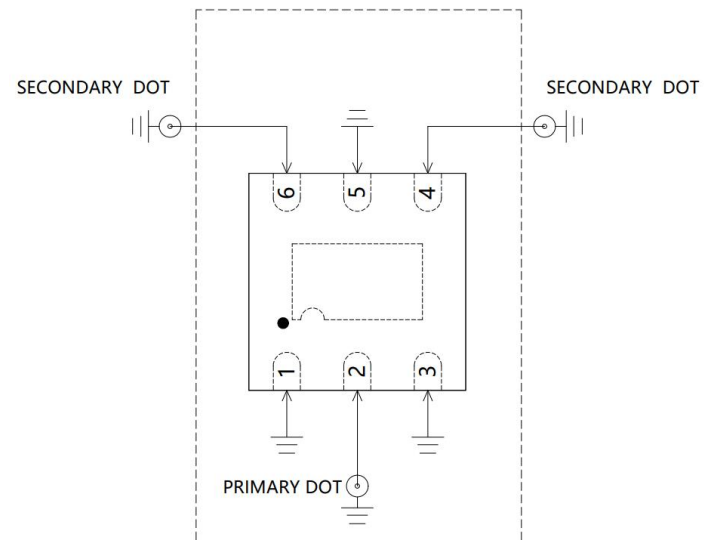
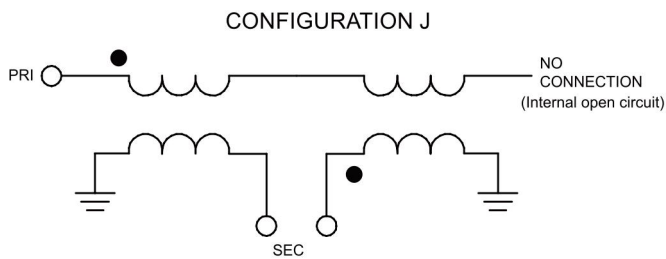
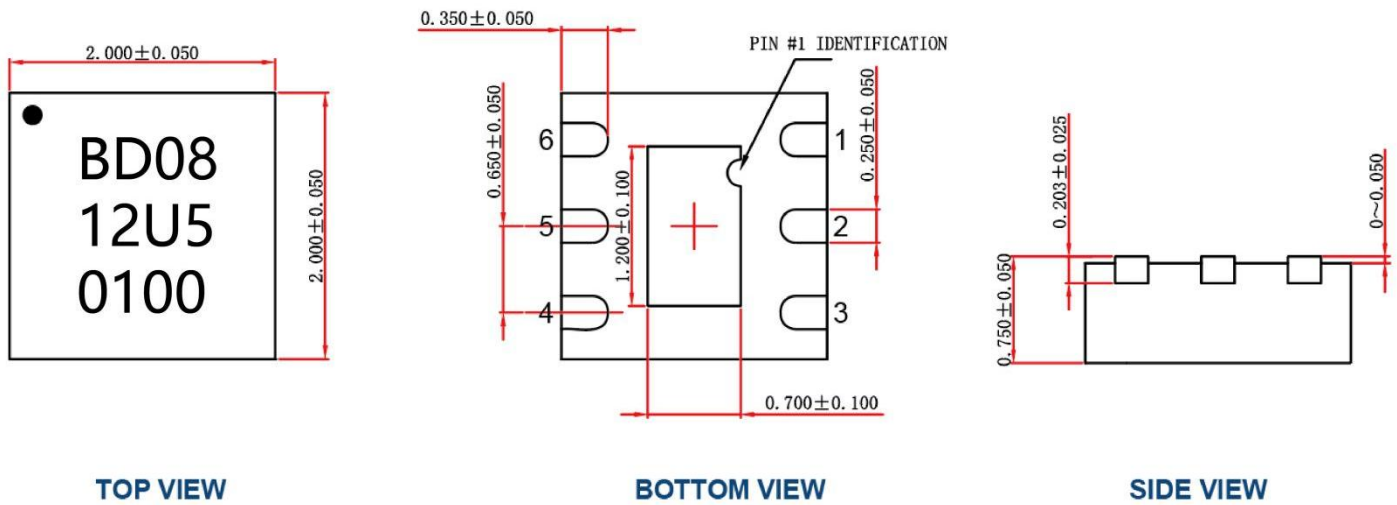
- SATCOM
- WiMAX/WIBRO
- ISM
- Radar

### Electrical specifications at 25°C

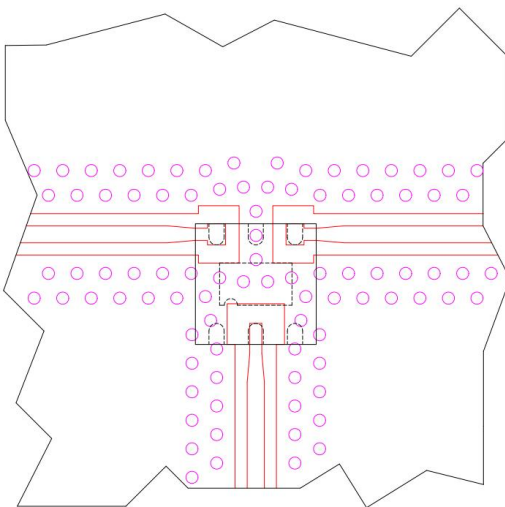
| Parameter                                  | Frequency (MHz) | Min. | Typ. | Max.  | Units  |
|--------------------------------------------|-----------------|------|------|-------|--------|
| Impedance Ratio (secondary/primary)        |                 |      | 2    |       |        |
| Frequency Range                            |                 | 8000 | -    | 12000 | MHz    |
| Insertion Loss                             | 8000 –12000     | -    | 1.0  | -     | dB     |
| Amplitude Unbalance                        | 8000-12000      | -    | 1.0  | -     | dB     |
| Phase Unbalance <sup>1</sup>               | 8000-12000      | -    | 8    | -     | Degree |
| Input RF Power                             |                 |      | 34   |       | dBm    |
| <b>Operating &amp; Storage Condition</b>   |                 |      |      |       |        |
| Operation Temperature Range: -40°C ~ +85°C |                 |      |      |       |        |
| Storage Temperature Range: -65°C ~ +150°C  |                 |      |      |       |        |

1. Relative to 180°

### Outline Drawing



### PCB Land Pattern



Recommended Land Pattern Top View

| Function                      | Pad Number   |
|-------------------------------|--------------|
| PRIMARY DOT (Unbalanced Port) | 2            |
| SECONDARY DOT (Balanced)      | 6            |
| SECONDARY (Balanced)          | 4            |
| GND                           | 1,3 & paddle |
| NC (grounded on TB)           | 5            |

### Yantel Corporation

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 : [www.yantel-corp.com](http://www.yantel-corp.com)