

## H3-TC1-1TG2+

0.4-500MHz 50Ω 1:1 Balun

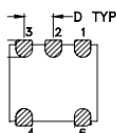
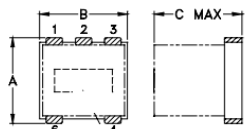
### APPLICATIONS

Ideally suited for high volume cellular and wireless applications.

### FEATURES

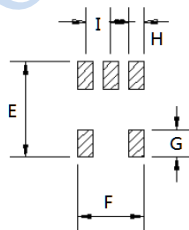
- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible
- CT on Secondary

### DIMENSIONS



|      |      |          |
|------|------|----------|
| A    | B    | C        |
| 3.81 | 3.81 | 3.81 Max |
| D    |      |          |
| 1.27 |      |          |

### Land Pattern



|      |      |      |
|------|------|------|
| E    | F    | G    |
| 4.83 | 3.30 | 1.40 |
| H    | J    |      |
| 0.76 | 1.27 |      |

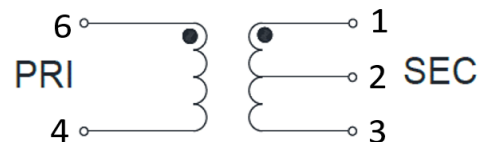
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

### ELECTRICAL SPECIFICATIONS@25°C:

| Parameters (P#: ENA PORT) | frequency band | Min. | Typ. | Max. | Unit |
|---------------------------|----------------|------|------|------|------|
| Port Impedance, Z0        |                |      | 50   |      | Ohm  |
| Insertion Loss            | 1-100MHz       |      | 0.5  | 1.0  | dB   |
|                           | 0.5-300MHz     |      | 1.1  | 2.0  | dB   |
|                           | 0.4-500MHz     |      | 1.8  | 3.0  | dB   |
| Return Loss               | 1-100MHz       |      | 18.0 |      | dB   |
|                           | 0.5-300MHz     |      | 10.0 |      | dB   |
|                           | 0.4-500MHz     |      | 7.0  |      | dB   |
| Amplitude UnBalance       | 1-100MHz       |      | 0.1  |      | dB   |
|                           | 0.5-300MHz     |      | 0.6  |      | dB   |
| Phase UnBalance           | 1-100MHz       |      | 1.0  |      | Deg  |
|                           | 0.5-300MHz     |      | 5.0  |      | Deg  |

### FUNCTIONAL SCHEMATIC



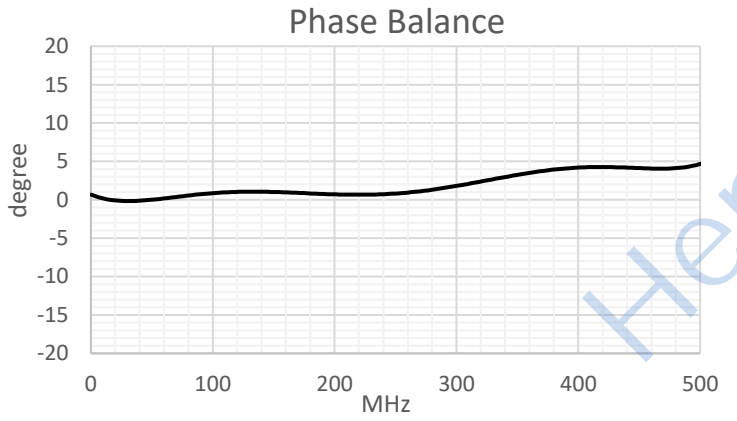
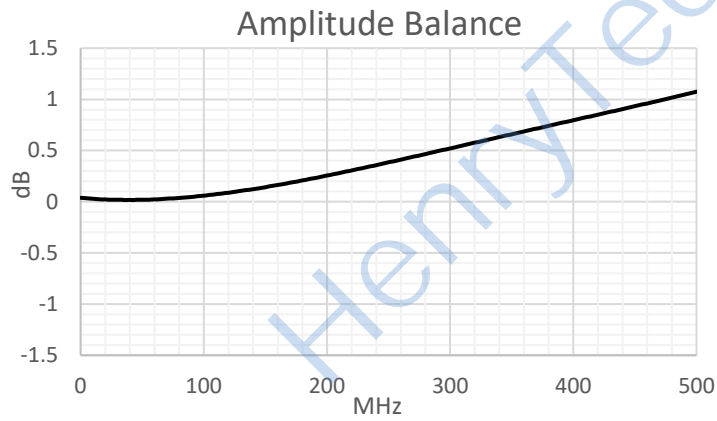
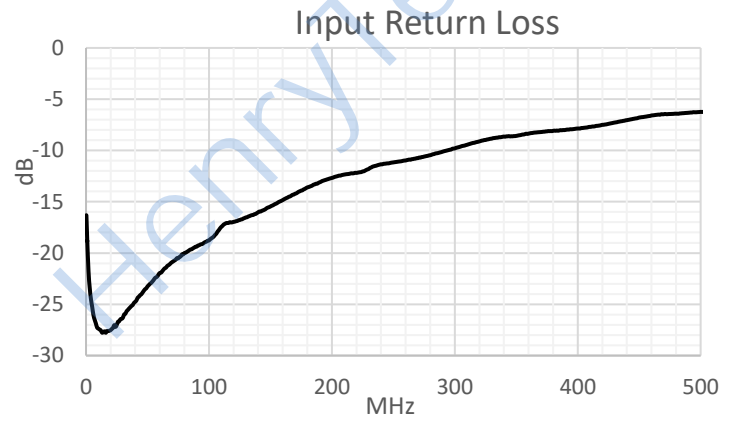
### PIN CONFIGURATION

| Pin No. | Function      |
|---------|---------------|
| 1       | Secondary Dot |
| 2       | Secondary CT  |
| 3       | Secondary     |
| 4       | Primary       |
| 6       | Primary Dot   |

### ABSOLUTE MAXIMUM RATINGS

| Parameter                   | Value       |
|-----------------------------|-------------|
| RF Power                    | 250mW       |
| DC Current                  | 30mA        |
| Operating Temperature Range | -40 to 85°C |

## TEST CURVE



单击下面可查看定价，库存，交付和生命周期等信息

[>>HenryTech\(恒利泰\)](#)