

JY-ADT1-1WT 0.4-800MHZ 1:1 RF transformer

1:1:1 RF transformer Frequency: 0.4-800MHZ.

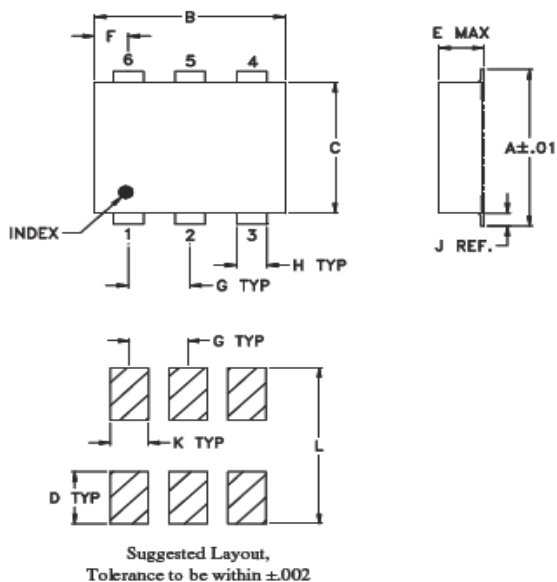
Feature:

- .1:1 impedance transformer.
- .SMT part.
- .Packaging 1000pcs per reel.
- .used in 75ohm systems.

ROHS COMPLIANT

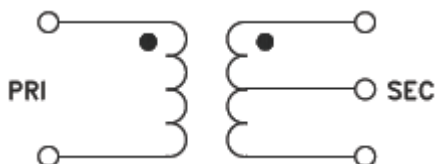


Outline Drawing



Outline Dimensions (inch mm)

| A    | B    | C    | D    | E     | F    | G    |
|------|------|------|------|-------|------|------|
| .272 | .310 | .220 | .100 | .112  | .055 | .100 |
| 6.91 | 7.87 | 5.59 | 2.54 | 2.84  | 1.40 | 2.54 |
| H    | J    | K    | L    | wt    |      |      |
| .030 | .026 | .065 | .300 | grams |      |      |
| 0.76 | 0.66 | 1.65 | 7.62 | 0.20  |      |      |



SCHEMATIC

Maximum Ratings

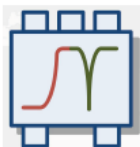
|                       |                |
|-----------------------|----------------|
| Operating Temperature | -20°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |
| RF Power              | 0.5W           |
| DC Current            | 30mA           |

Pin Connections

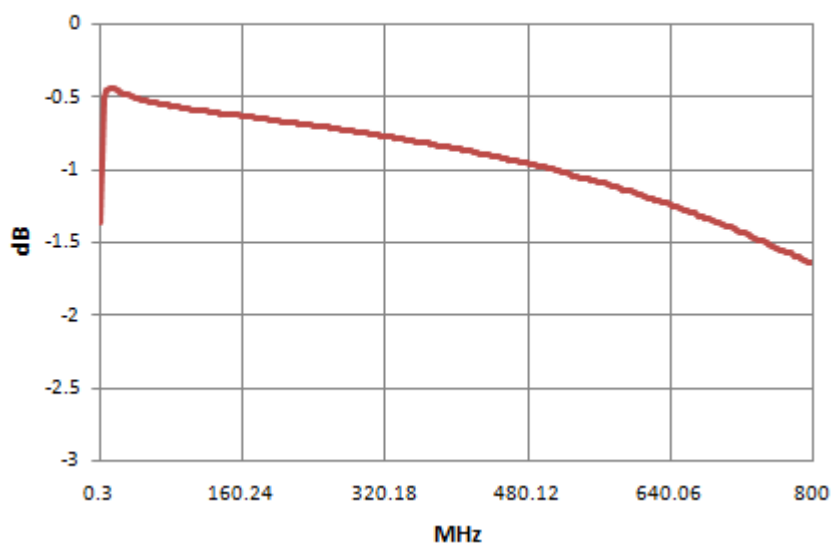
|               |   |
|---------------|---|
| PRIMARY DOT   | 3 |
| PRIMARY       | 1 |
| SECONDARY DOT | 6 |
| SECONDARY     | 4 |
| SECONDARY CT  | 2 |
| NOT USED      | 5 |

Electrical Specifications: TA=25°C, Zo=75Ω Pin=0dbm

| Parameter           | Test Conditions | Units  | Min.  | Typ. | Max. |
|---------------------|-----------------|--------|-------|------|------|
| Insertion Loss      | 0.4 - 800MHz    | dB     | ---   | ---  | 3    |
|                     | 0.5 - 700MHz    | dB     | ---   | ---  | 2    |
|                     | 1 - 400MHz      | dB     | ---   | ---  | 1    |
| Amplitude Unbalance | 0.4 - 400MHz    | dB     | ---   | 0.1  | ---  |
|                     | 400 - 800MHz    | dB     | ---   | 0.5  | ---  |
| Phase Unbalance     | 0.4 - 400MHz    | Degree | ---   | 1    | ---  |
|                     | 400 - 800MHz    | Degree | ---   | 4    | ---  |
| RF Power            |                 |        | 500mW |      |      |
| DC Current          |                 |        | 30mA  |      |      |
| Test Impedance      |                 |        | 75OHM |      |      |



## Insertion Loss



## Input Return Loss

