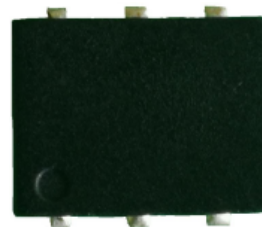


# Wideband Transformer

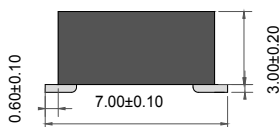
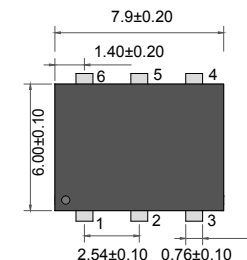
## EBA0408-G035392

2019-11-22 Rev. 0

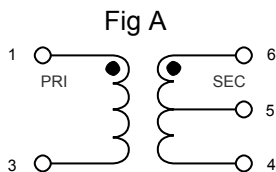


1:4 50Ω:200Ω 0.15-500 MHz

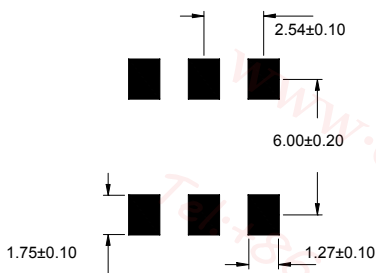
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

| Pin no. | Function      |
|---------|---------------|
| 1       | Primary Dot   |
| 3       | Primary       |
| 4       | Secondary     |
| 5       | Not Used      |
| 6       | Secondary Dot |

### Features

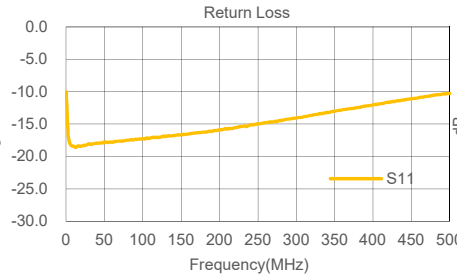
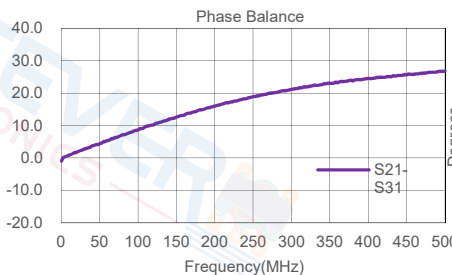
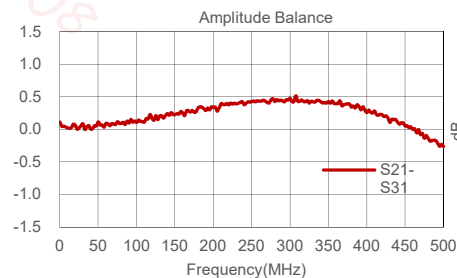
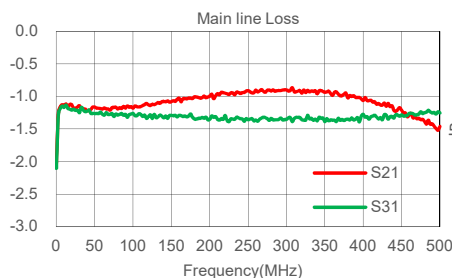
- Excellent Temperature Stability
- RoHS Compliant and Pb Free
- 260°C Reflow Compatible
- Power Input(as a splitter): 0.5W Max
- DC current: 500mA
- Operating temperature range: -40 C to +85 C
- Storage temperature range: -55 C to +100 C

### Applications

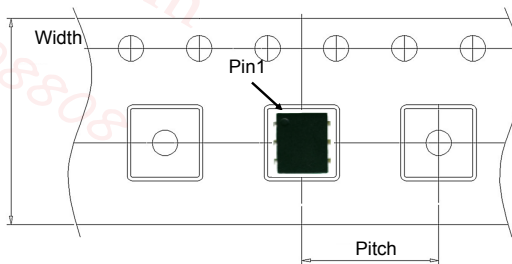
- RF circuits
- Mobile radio
- Satellite TV
- Cordless phones

### Electrical Specifications:TA=25°C, 0dBm, Z0=50Ω

| Parameter                | Test Conditions | Units | Min | Typ  | Max  |
|--------------------------|-----------------|-------|-----|------|------|
| Insertion Loss 1(Pin1-6) | 0.15-500MHz     | dB    | —   | 1.0  | 3.0  |
| Insertion Loss 1(Pin1-4) | 0.15-500MHz     | dB    | —   | 1.3  | 3.0  |
| Amplitude Balance        | 0.15-500MHz     | dB    | 0.0 | 0.5  | 1.0  |
| Phase Balance            | 0.15-500MHz     | °     | 0.0 | 20.0 | 40.0 |
| Return Loss(Pin1)        | 0.15-500MHz     | dB    | 8.0 | 17.0 | —    |



### Carrier Tape Orientation



### Tape & Reel Information

| Parameter    | Units | Value |
|--------------|-------|-------|
| Qty per reel | PCS   | 1000  |
| Reel Size    | mm    | 330   |
| Tape Width   | mm    | 16.00 |
| Pitch        | mm    | 12.00 |
| Ao           | mm    | 7.30  |
| Bo           | mm    | 8.30  |
| Ko           | mm    | 3.20  |