

## Features

- Frequency Range: 0.008 – 100 MHz
- Impedance Ratio: 1:1, Balanced to Balanced
- Industry Standard SMT package
- Available in Tape-and -Reel
- Low Cost

## SURFACE MOUNT TRANSFORMER



## Description

The XFA-0101-1B transformer is designed for applications that require small, low cost, and highly reliable surface mount components. Applications may be found in broadband, wireless and other communications systems. S-Parameters are available on request.

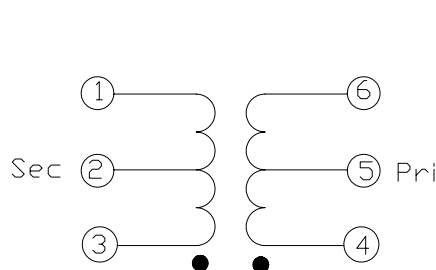
## Specifications

| Parameter             | Minimum              | Maximum |
|-----------------------|----------------------|---------|
| Frequency Range (MHz) | 0.008                | 100     |
| Insertion Loss <1dB   | 0.015                | 40      |
| Insertion Loss <2dB   | 0.010                | 80      |
| Insertion Loss <3dB   | 0.008                | 100     |
| Impedance ratio       | 1:1                  |         |
| Type                  | Balanced to Balanced |         |

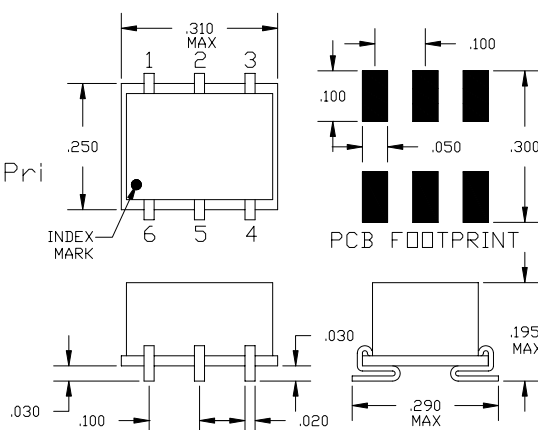
## Absolute Maximum Ratings

| Parameter             | Maximum        |
|-----------------------|----------------|
| RF Power              | +33 dBm        |
| Operating Temperature | -55 to +100 °C |
| Storage Temperature   | -55 to +100 °C |
| Re-flow Temperature   | + 240 °C       |

## Schematic



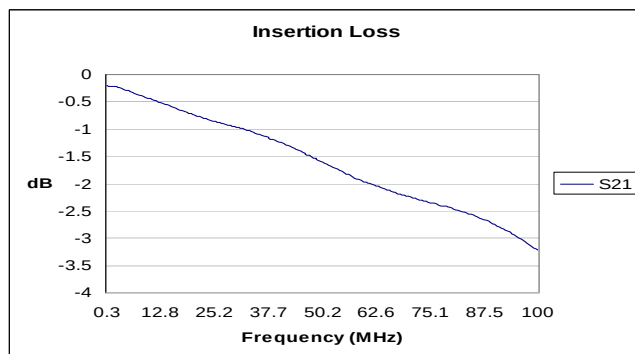
## Package – S06



## Pin Functions

| Function      | Pin |
|---------------|-----|
| SECONDARY     | 1   |
| SECONDARY CT  | 2   |
| SECONDARY DOT | 3   |
| PRIMARY DOT   | 4   |
| PRIMARY CT    | 5   |
| PRIMARY       | 6   |

Typical Test Data – Insertion Loss of two units tested back-to-back @ 25°C. Primary Impedance 50 Ohms.



Specifications and information on this data sheet are subject to change without notice.