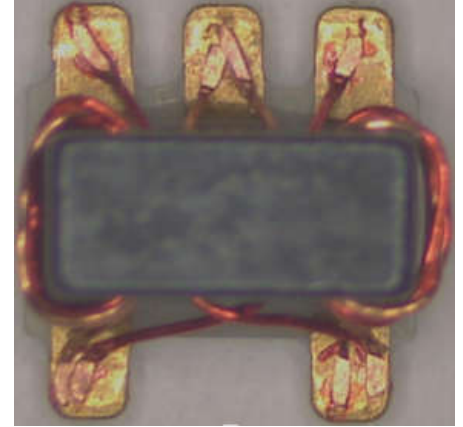
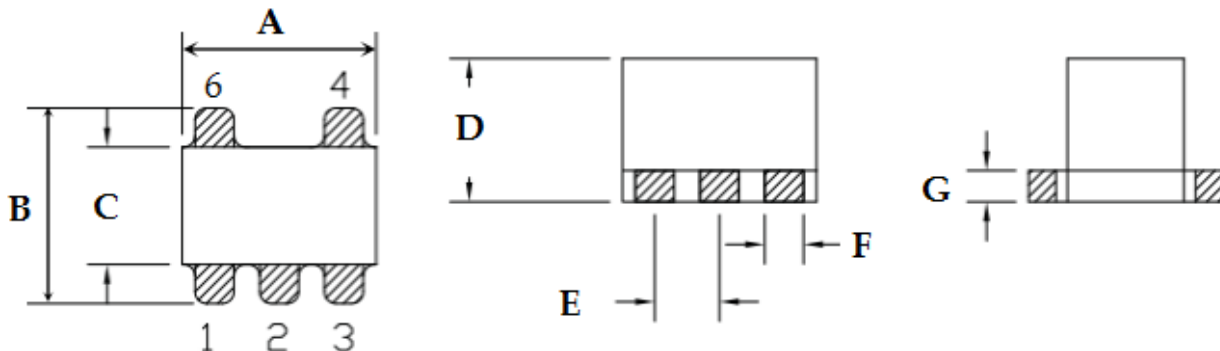


RF Balun Transformer, 1: 4CT Flux Coupled Transformer
Features::

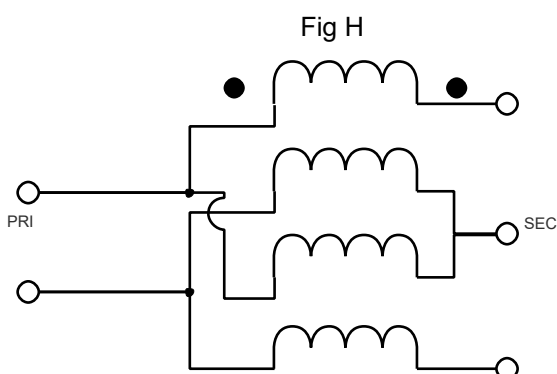
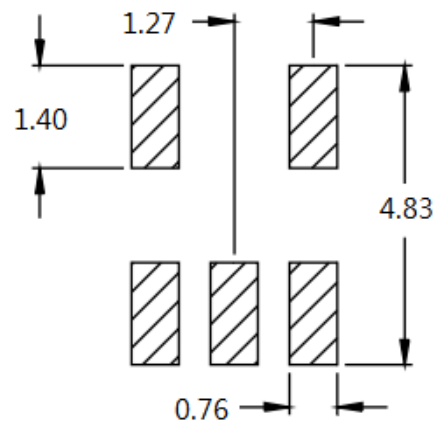
- ◆ Equivalent to: RFXF5553
- ◆ Used on 50Ω and 75Ω systems
- ◆ Frequency: 5 to 1250 MHz
- ◆ RF power: 2.0W
- ◆ DC current: 50mA
- ◆ Insertion loss: 2.0dB Max;
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C


Applications:

- ◆ For broadband /CATV and wireless communications
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

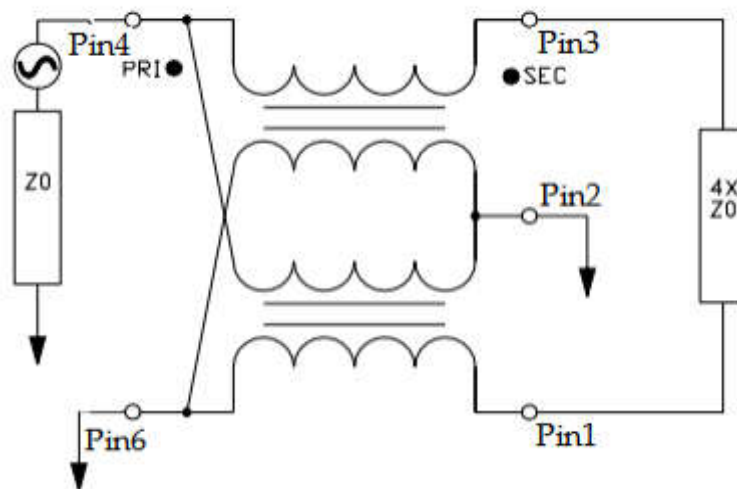
Dimension Diagram (Unit:mm) :


$$A=3.80\pm 0.20 \quad B=3.80\pm 0.20 \quad C=2.30\pm 0.20 \quad D=2.80\pm 0.20 \quad E=1.27\pm 0.10 \quad F=0.76\pm 0.10 \quad G=0.60\pm 0.10$$

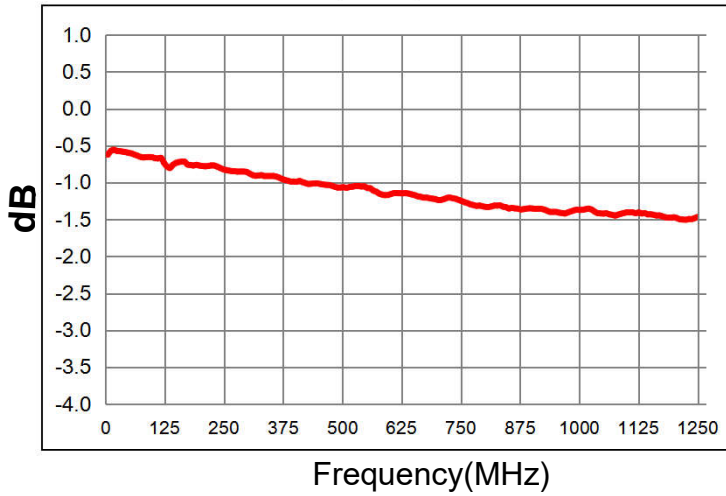
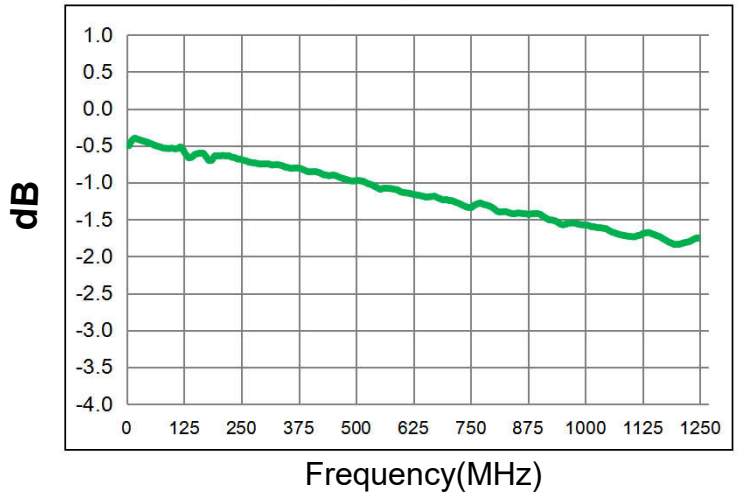
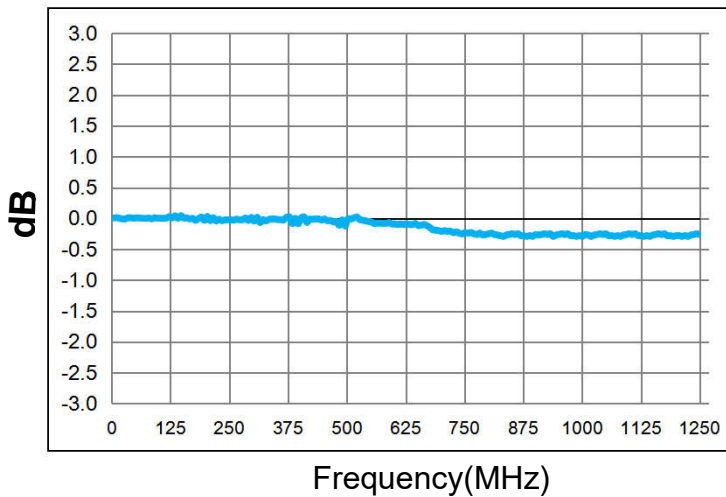
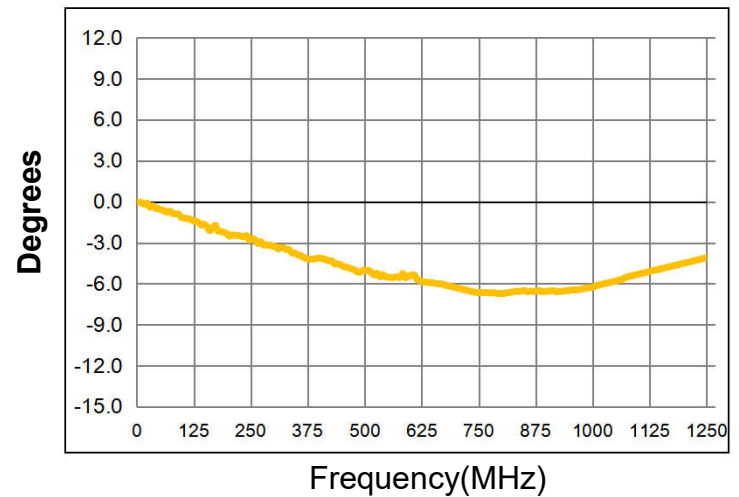
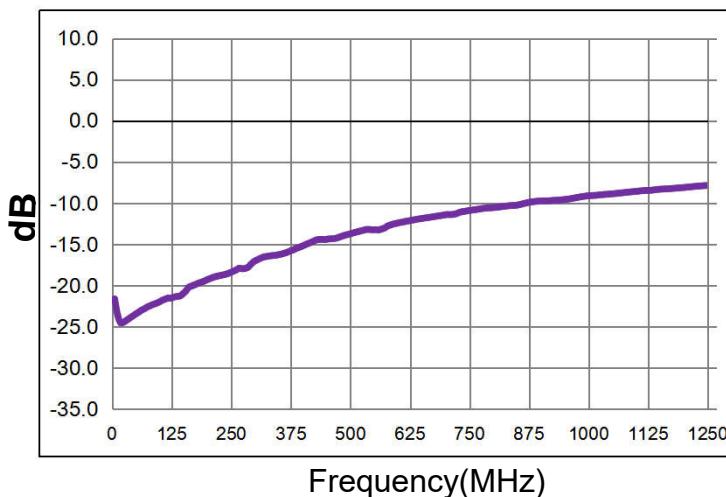
Electrical structure:

Recommended layout:


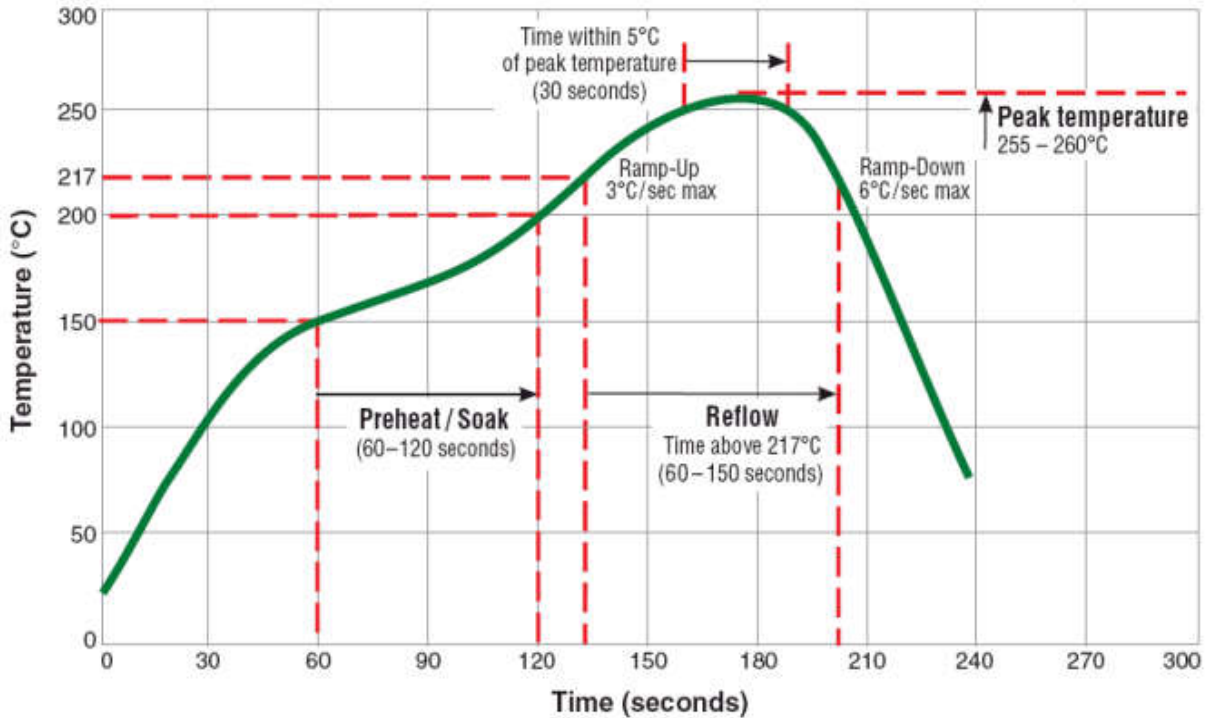
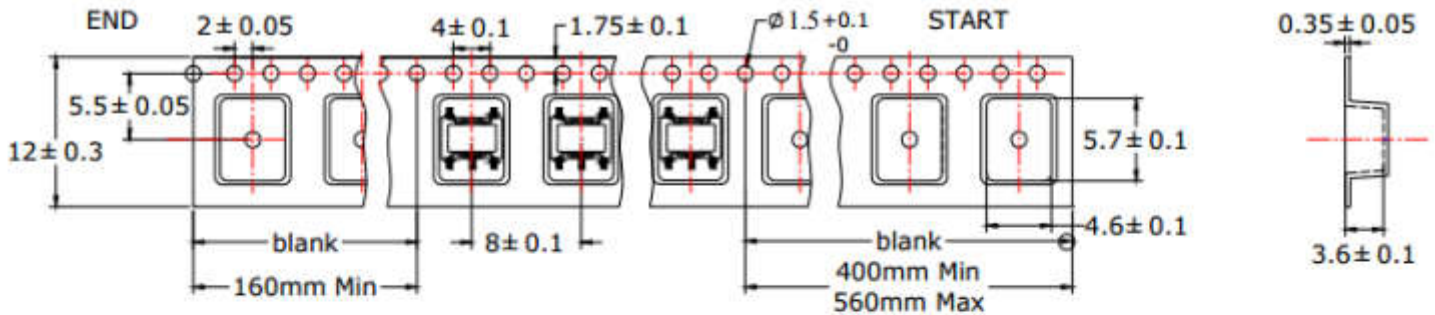
Pin configuration:

| Pin No. | Function |
|---------|----------|
| 1 | Output2 |
| 2 | Ground |
| 3 | Output1 |
| 4 | Input |
| 6 | Ground |

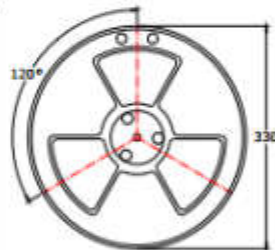
Application circuit :

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

| Parameter | Test Conditions | Units | Min | Typ | Max |
|----------------------|-----------------|---------|-----|------|------|
| Main line Loss(out1) | 5-1250MHz | dB | — | 1.3 | 2.0 |
| Main line Loss(out2) | 5-1250MHz | dB | — | 1.0 | 2.0 |
| Amplitude Balance | 5-1250MHz | dB | 0.0 | 0.2 | 1.0 |
| Phase Balance | 5-1250MHz | Degrees | 0.0 | 6.0 | 10.0 |
| Input Return Loss | 5-1250MHz | dB | 6.0 | 25.0 | — |

Main line Loss(out1)

Main line Loss(out2)

Amplitude Balance

Phase Balance

Input Return Loss


Recommended Soldering Temperature Graph:
Typical RoHS Reflow Profile

Packing Dimension For Caeier Tape(UNIT:mm):


| |
|---------------------------|
| QUANTITY |
| 2000pcs/reel |
| 4Reel/Middle Carton |
| 4Middle Carton/Big Carton |
| 32000pcs/Big Carton |



| SPEC | 8 | 12 | 16 | 24 |
|-----------|-----|------|------|------|
| DIM A±0.1 | 8.5 | 12.5 | 16.5 | 24.5 |
| DIM B±0.1 | 2.3 | 2.3 | 2.3 | 2.3 |
| DIM C±0.1 | 100 | 100 | 100 | 100 |

