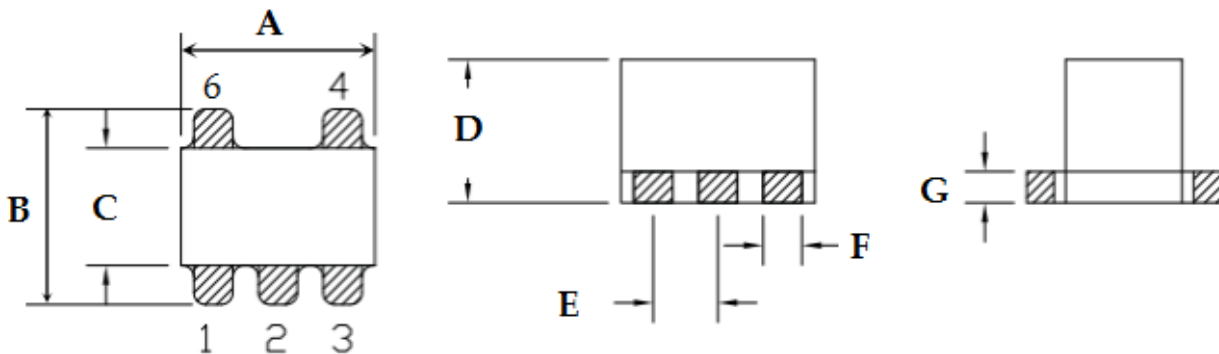


RF Balun Transformer, 2:1 Auto Transformer
Features:

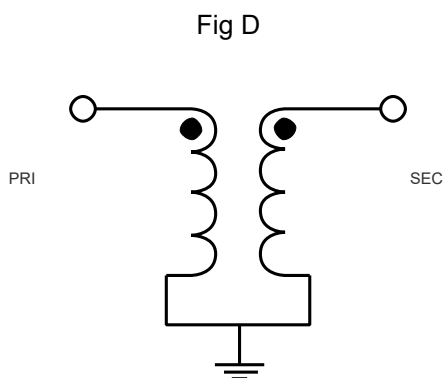
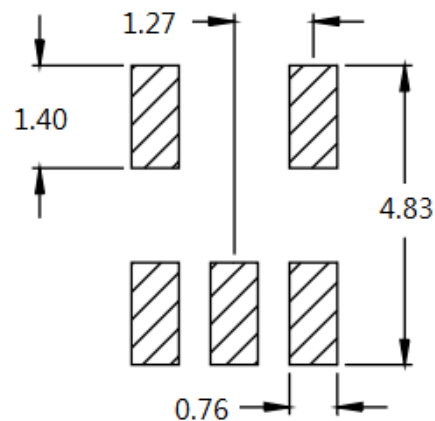
- ◆ Equivalent to: TC2-112G2+
- ◆ 50Ω Impedance
- ◆ Frequency: 2 to 1100 MHz
- ◆ 260°C Reflow Compatible
- ◆ RoHS* compliant
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C


Applications:

- ◆ For broadband and Cellular
- ◆ For VHF/UHF receivers/transmitters and push-pull amplifiers

Dimension Diagram (Unit:mm) :


A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

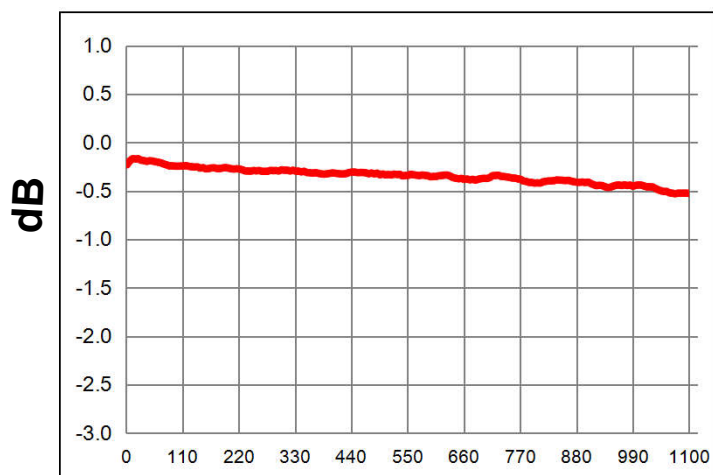
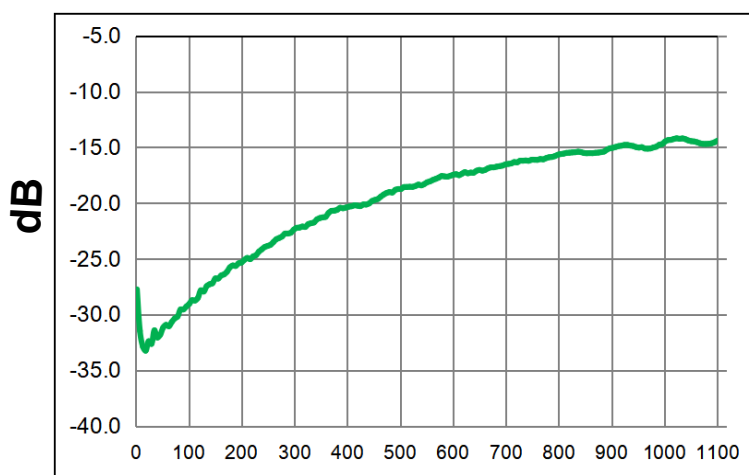
Electrical structure:

Recommended layout:


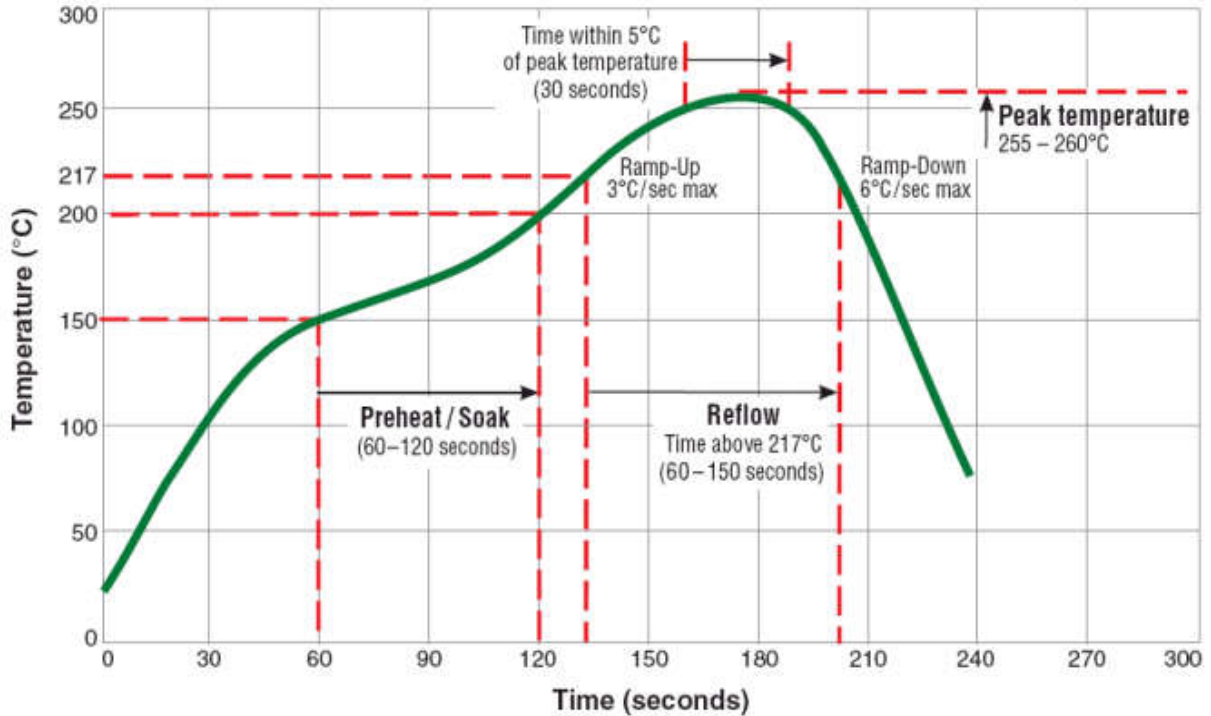
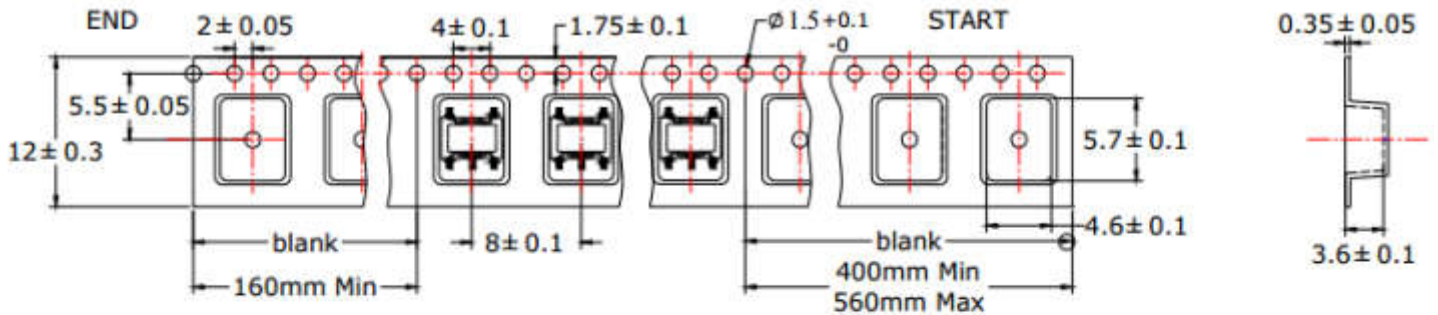
Pin Configuration:

| Pin No. | Function |
|---------|----------------------------|
| 4 | Primary Dot(e.g. 50 Ohm) |
| 2,6 | Not Connected |
| 1 | Ground |
| 3 | Secondary Dot(e.g. 25 Ohm) |

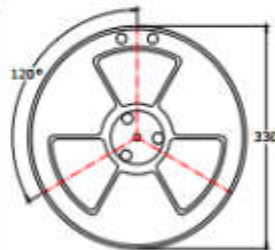
Electrical Specifications: TA=25°C, 0dBm,Z0=50Ω:

| Parameter | Test Conditions | Units | Min | Typ | Max |
|-------------------|-----------------|-------|------|------|-----|
| Main line Loss | 2-1100MHz | dB | — | 0.4 | 1.5 |
| Input Return Loss | 2-1100MHz | dB | 10.0 | 25.0 | — |

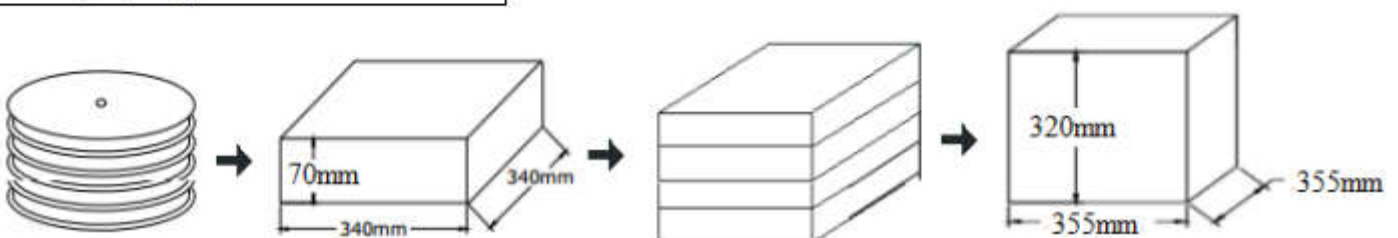
Main line Loss

Frequency(MHz)
Input Return Loss

Frequency(MHz)

Recommended Soldering Temperature Graph:
Typical RoHS Reflow Profile

Packging 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 |



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