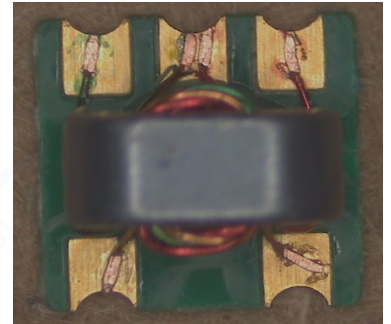


Features:

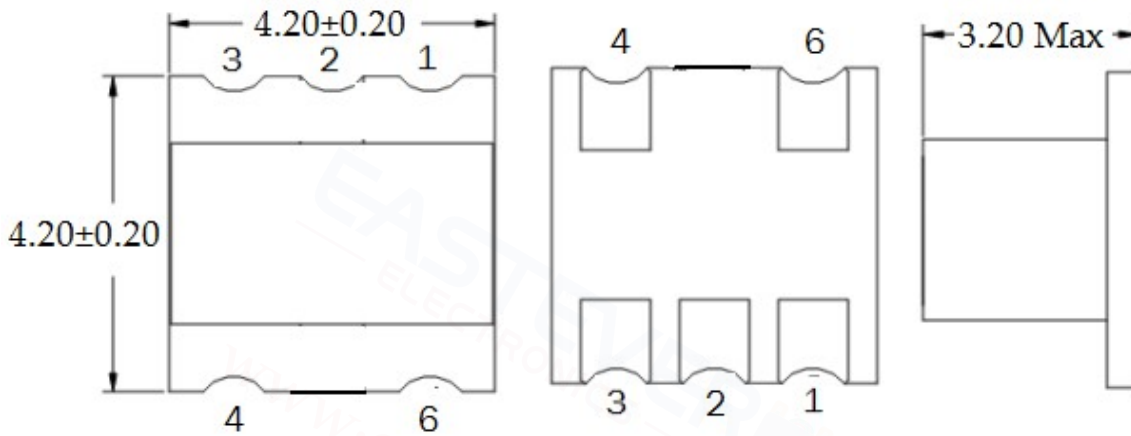
- ◆ Equivalent to: CX2049LNL
- ◆ 75Ω Characteristic Impedance
- ◆ Frequency: 0.25 to 500MHz
- ◆ RF power: 0.50W
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +125°C



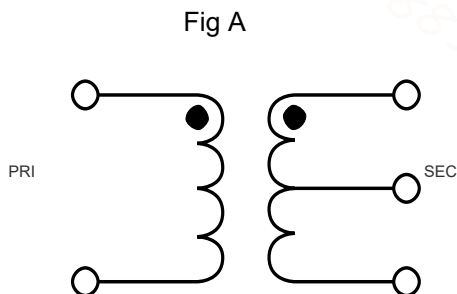
Applications:

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

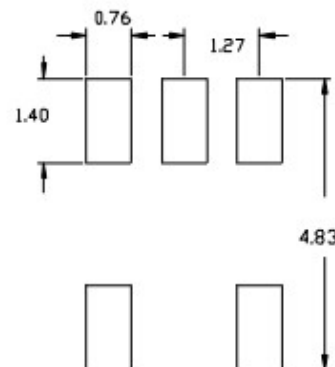
Dimension Diagram (Unit:mm) :



Electrical structure:

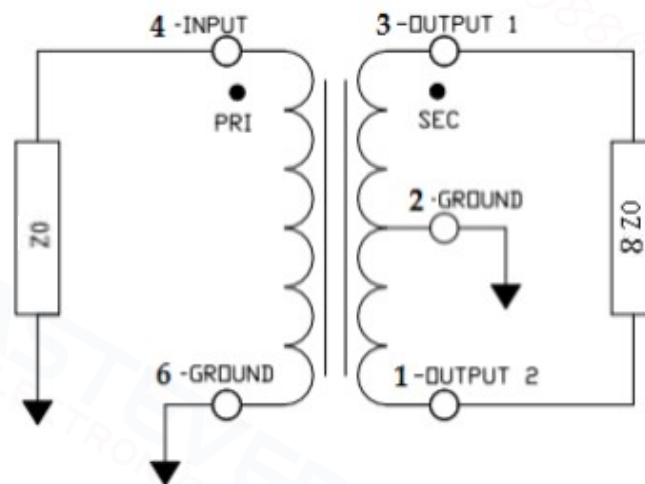


Recommended layout:



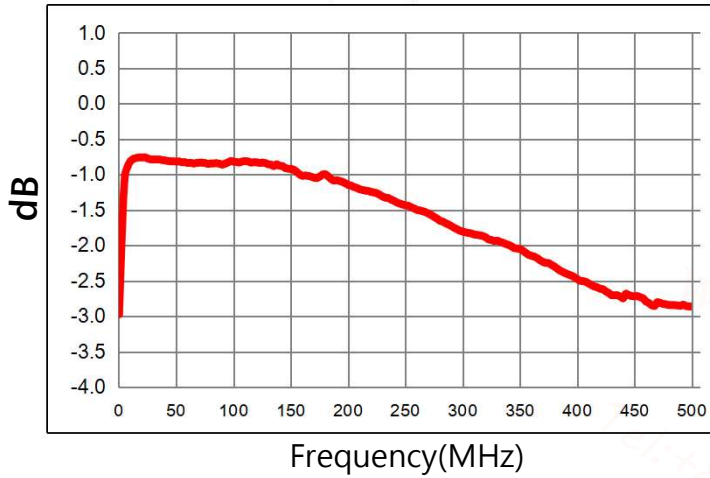
Pin configuration:

| Pin no. | Function |
|---------|--------------------------|
| 1 | Secondary (Output 2) |
| 2 | Centre tap (Ground) |
| 3 | Secondary dot (Output 1) |
| 4 | Primary dot (Input) |
| 6 | Primary (Ground) |

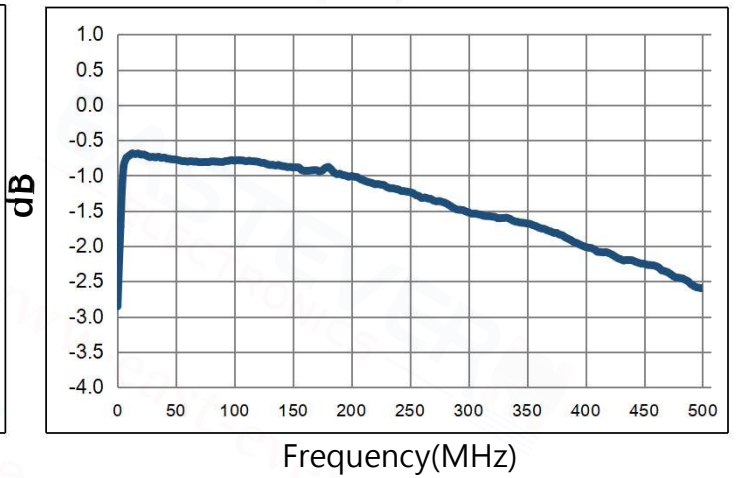
Application circuit :**Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω:**

| Parameter | Test Conditions | Units | Min | Typ | Max |
|----------------------|-----------------|---------|-----|------|------|
| Main line Loss(out1) | 0.25-500MHz | dB | — | 1.5 | 3.0 |
| Main line Loss(out2) | 0.25-500MHz | dB | — | 1.5 | 3.0 |
| Amplitude Balance | 0.25-500MHz | dB | — | 0.2 | 1.5 |
| Phase Balance | 0.25-500MHz | Degrees | — | 3.0 | 10.0 |
| Input Return Loss | 0.25-500MHz | dB | 3.0 | 10.0 | — |

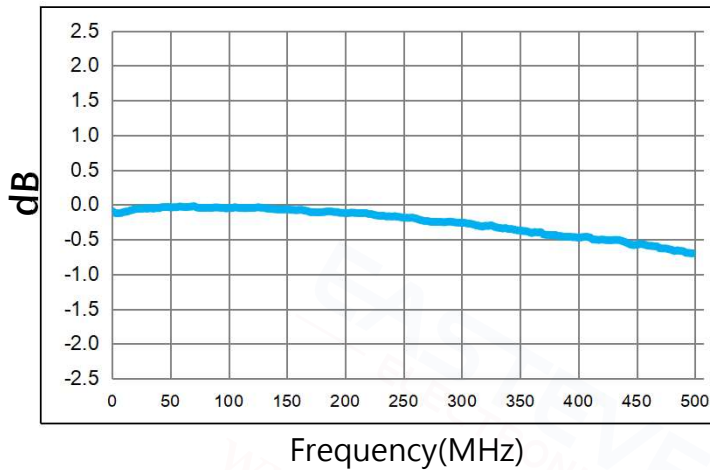
Main line Loss(out1)



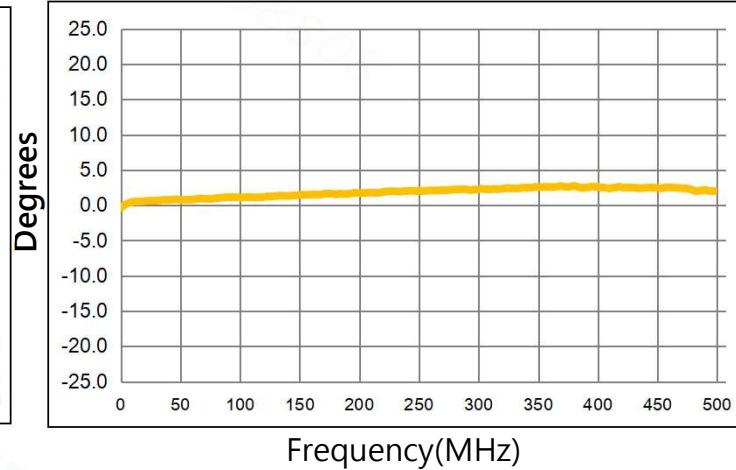
Main line Loss(out2)



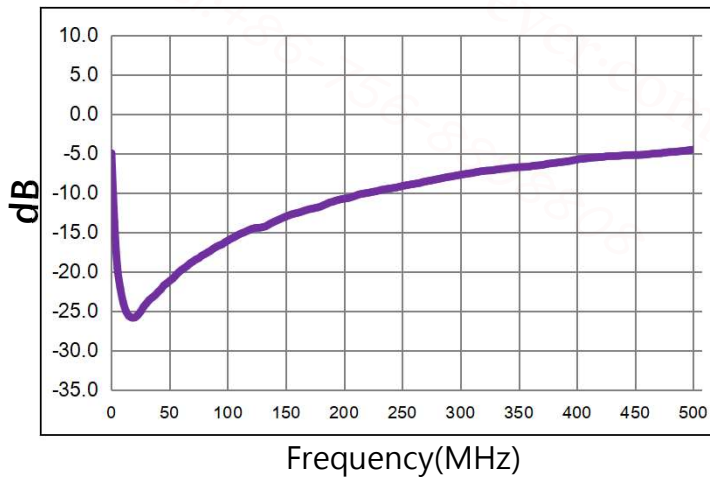
Amplitude Balance



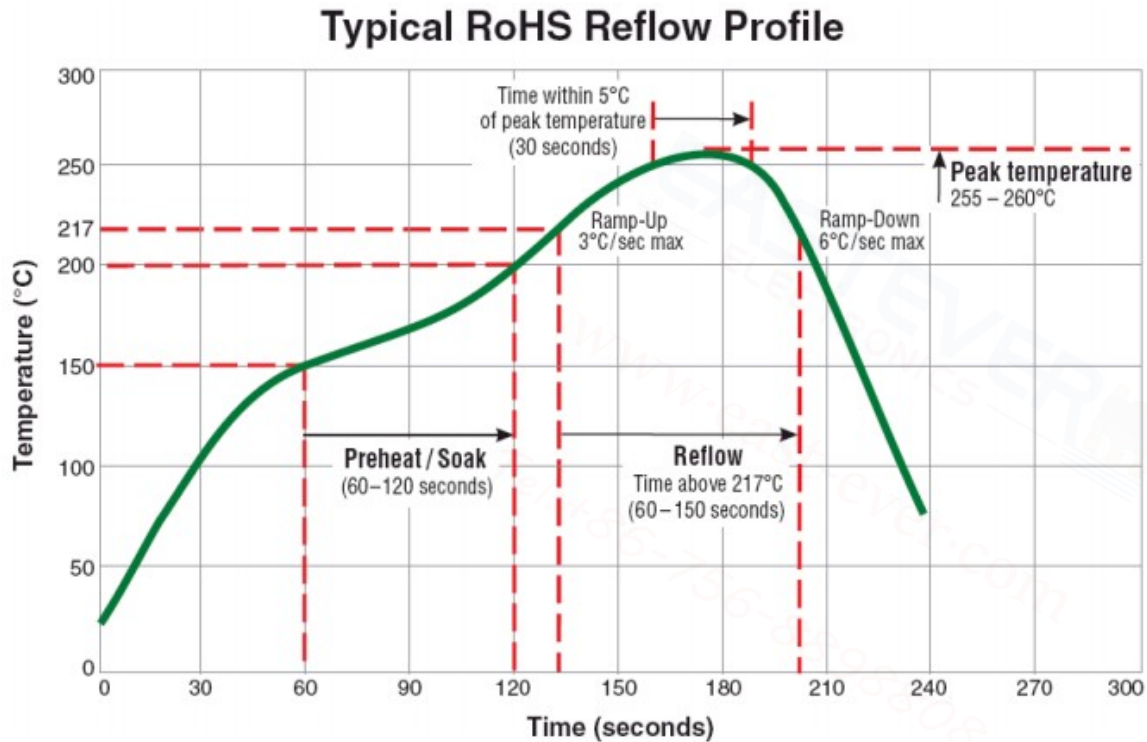
Phase Balance



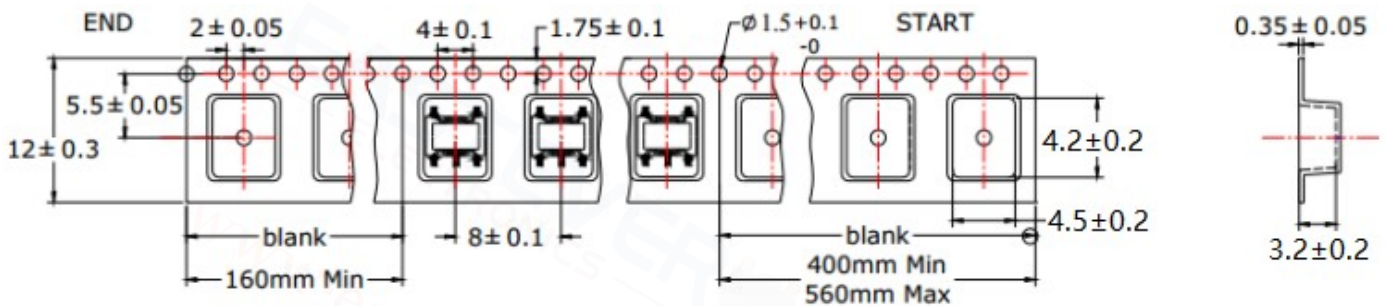
Input Return Loss



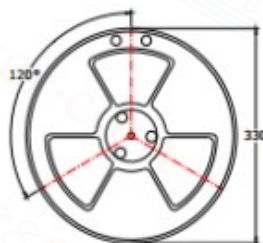
Recommended Soldering Temperature Graph:



Packaging Dimension For Caeier Tape(UNIT:mm):



| |
|-------------------------------------|
| QUANTITY |
| 2000PCS/Reel |
| 4Reels/Middle Carton Middle Carton: |
| 4 Middle Cartons/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 |

