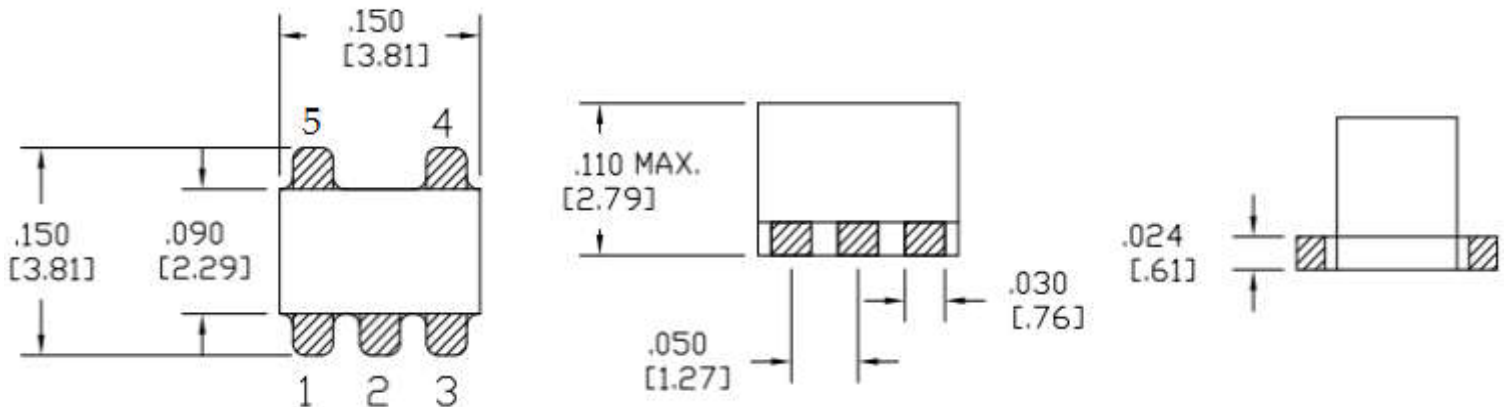
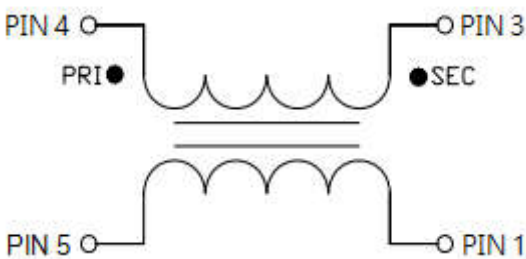
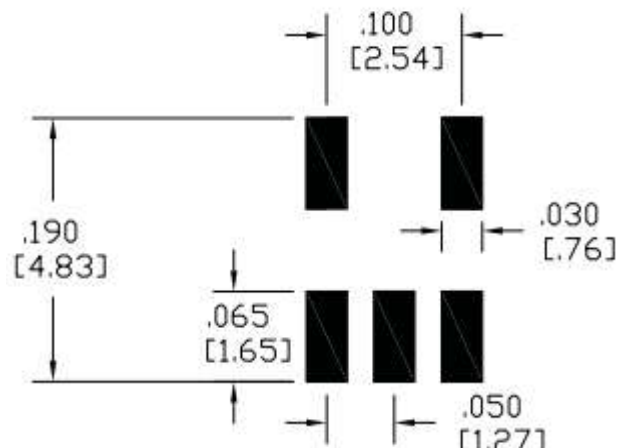


RF Balun Transformer, 1: 1 Transmission Line Transformer
Features:

- ◆ Equivalent to: MABA-007159-000000
- ◆ 50Ω Impedance
- ◆ Frequency: 4.5 to 3000 MHz
- ◆ RF power: 0.25W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +125°C

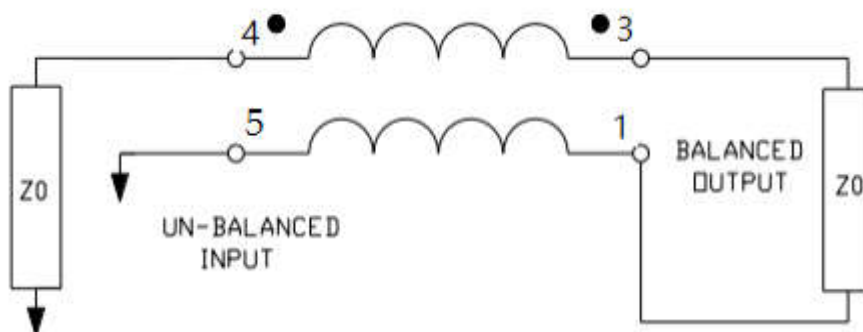

Applications:

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

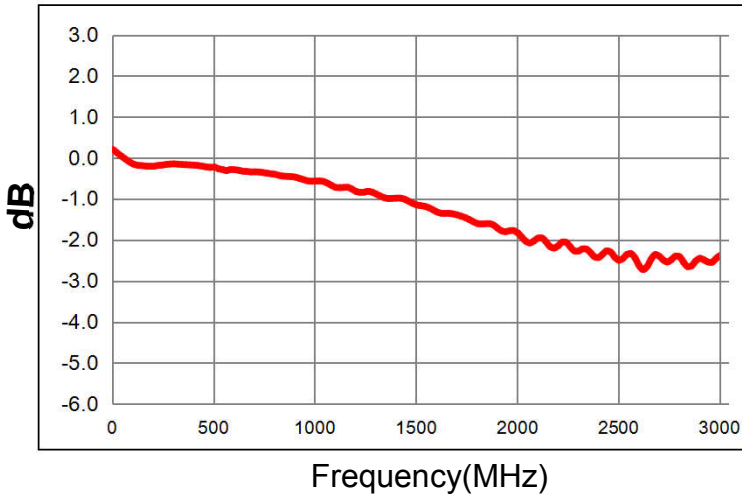
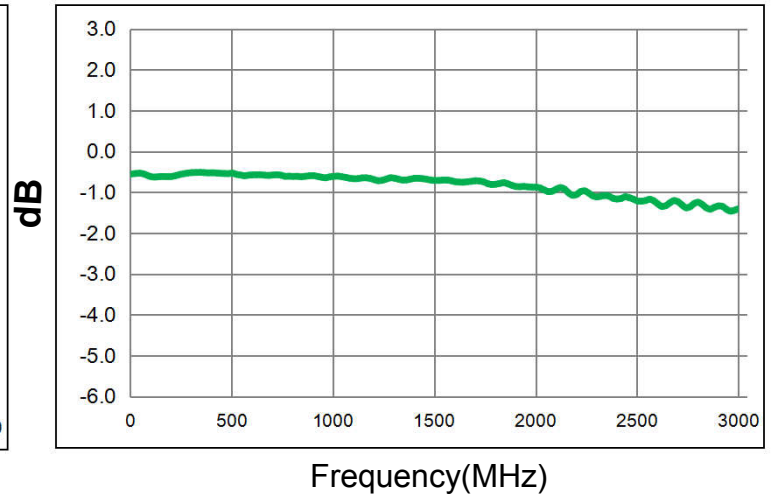
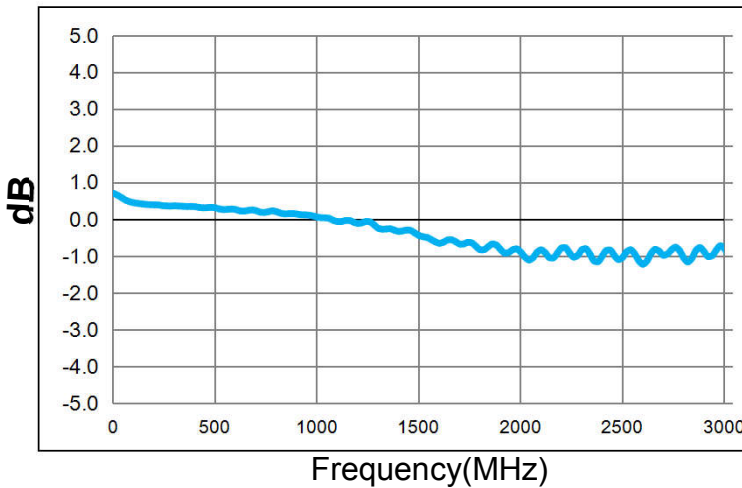
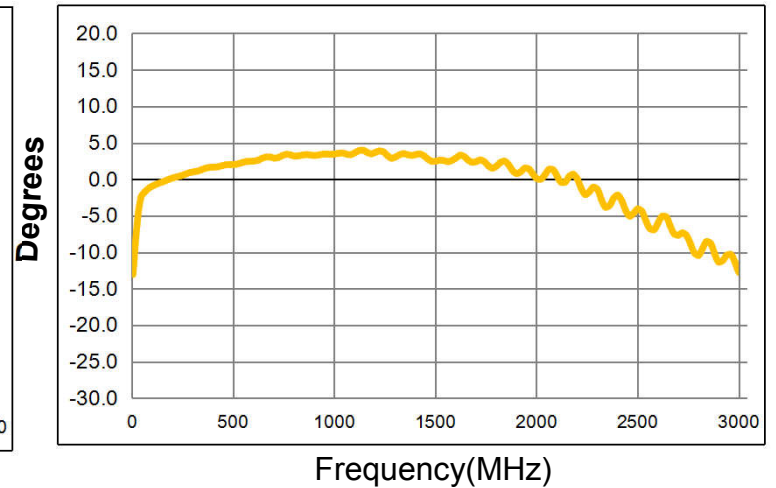
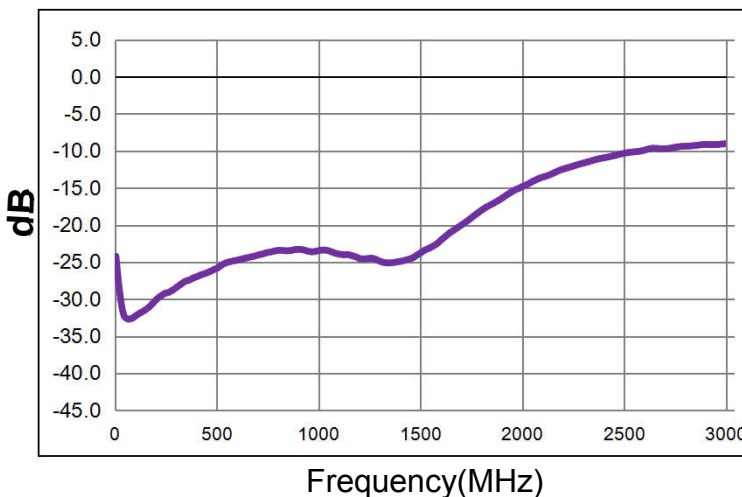
Dimension Diagram (Unit:mm) :

Electrical structure:

Recommended layout:


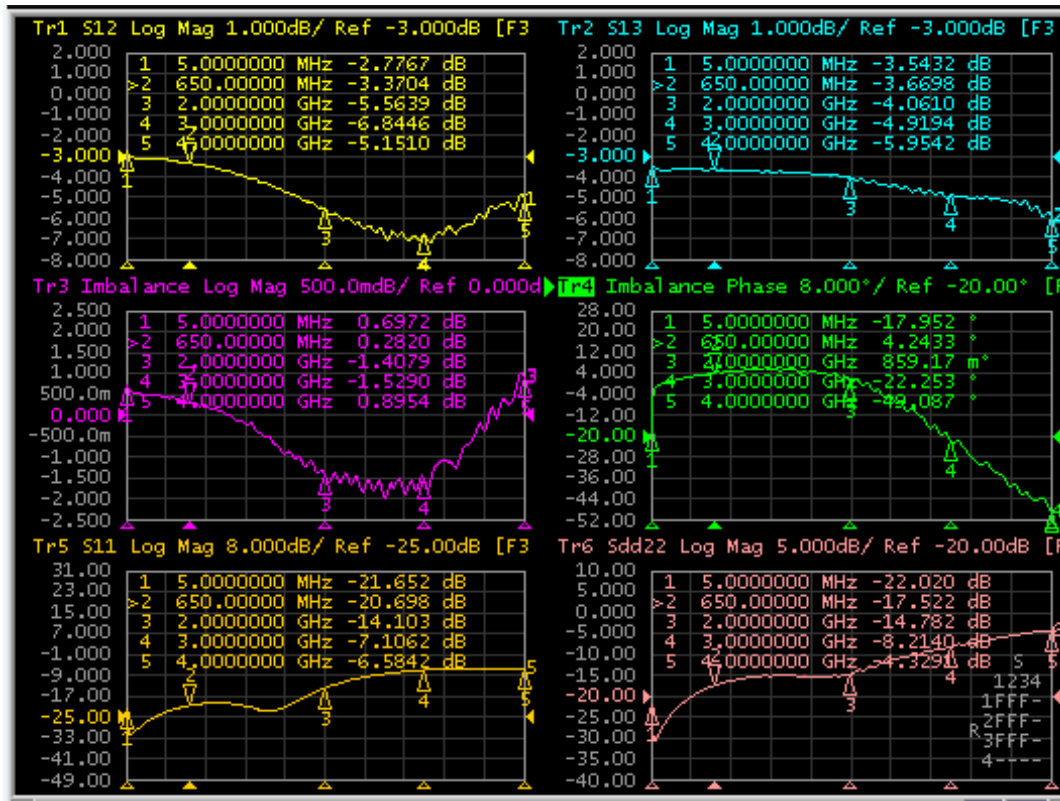
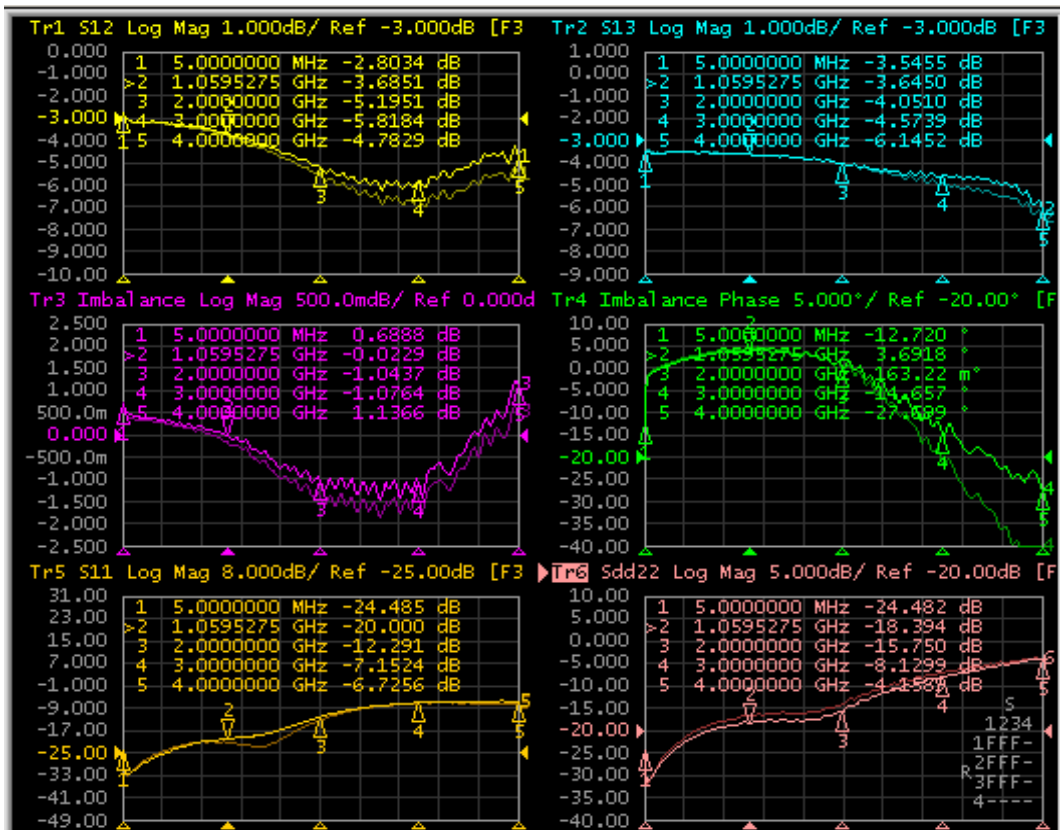
Pin configuration:

Pin no.	Function
1	Secondary (Output 2)
2	Not connected
3	Secondary dot (Output 1)
4	Primary dot (Input)
5	Primary (Ground)

Application circuit :

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

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss	4.5-1000MHz	dB	—	0.40	1.00
Main line Loss	1000-2000MHz	dB	—	0.80	2.50
Main line Loss	2000-3000MHz	dB	—	2.50	3.50
Amplitude Unbalance	4.5-1500MHz	dB	—	0.50	1.00
Amplitude Unbalance	1500-3000MHz	dB	—	1.00	1.70
Phase Unbalance	4.5-1500MHz	Degrees	—	5.00	15.00
Phase Unbalance	1500-3000MHz	Degrees	—	5.00	35.00
Input Return Loss	4.5-1500MHz	dB	10.00	25.00	—
Input Return Loss	1500-3000MHz	dB	5.00	15.00	—

Main line Loss(out1)

Main line Loss(out2)

Amplitude Balance

Phase Balance

Input Return Loss


MABA-007159-00000 Sample Test Data Sheet:

B013-617DB-7159-E267 Sample Test Data Sheet:


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[B39242B4360P810](#) [B39781B8005P810](#)