



H3-MABA-007569-ETK42T

2-1000MHz 50Ω/75Ω 1:4 Balun

• APPLICATIONS

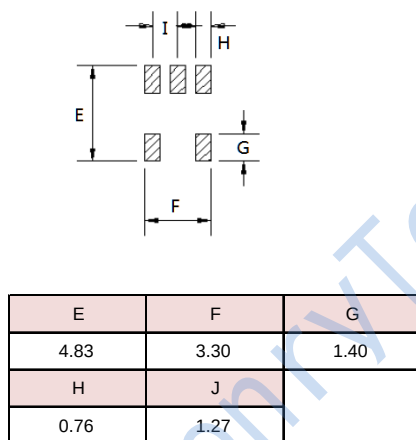
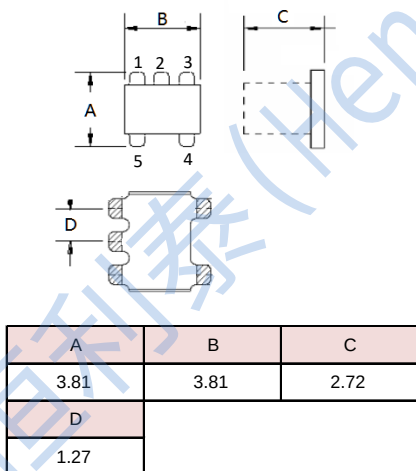
- balanced to unbalanced transformation
- push-pull amplifiers
- PCS/DCS,MMDS

• FEATURES

- Surface mount
- Impedance ratio: 1:4
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS

Land Pattern



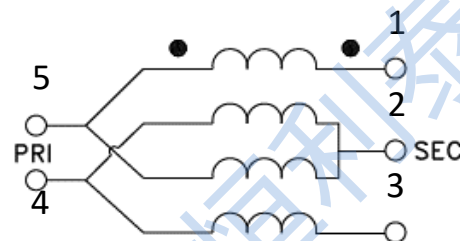
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss	5.0 - 250 MHz		0.4	1.0	dB
	3.0 - 500 MHz		0.9	2.0	dB
	2.5 - 700 MHz		1.4	3.0	dB
	2.0 - 1000 MHz		2.4	4.0	dB
Amplitude Unbalance	2.0 - 300 MHz		0.1	0.30	dB
	300 - 1000 MHz		1.5	2.00	dB
Phase UnBalance	2.0 - 300 MHz		1.0	5.00	Deg
	300 - 1000 MHz		2	20	Deg

FUNCTIONAL SCHEMATIC



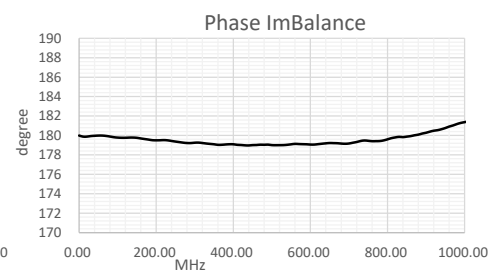
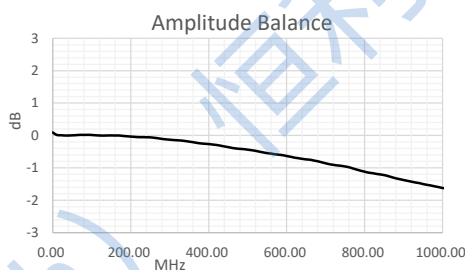
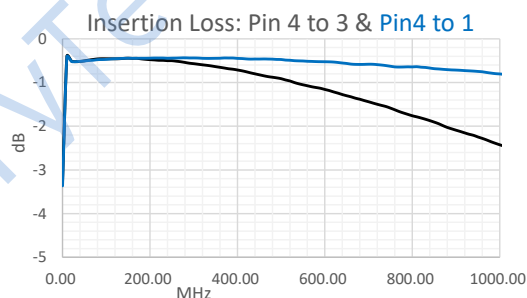
Pin Configuration

Pin No.	Function
1	Secondary Dot
2	Secondary CT
3	Secondary
4	Primary
5	Primary Dot

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

TEST CURVE



Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Adress:Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuxi Road, Jinniu District, Chengdu City

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Insertion Loss	8 - 250 MHz		0.4	1.0	dB
	5 - 500 MHz		0.9	2.0	dB
	4 - 700 MHz		1.4	3.0	dB
	2.0 - 1000 MHz		4.1	4.5	dB
Amplitude Unbalance	2.0 - 300 MHz		0.1	0.30	dB
	300 - 1000 MHz		1.5	2.00	dB
Phase UnBalance	2.0 - 300 MHz		1.0	5.00	Deg
	300 - 1000 MHz		2	20	Deg

TEST CURVE

