

H3-MABA-007681

5-1200MHz 75Ω 1:2 Balun

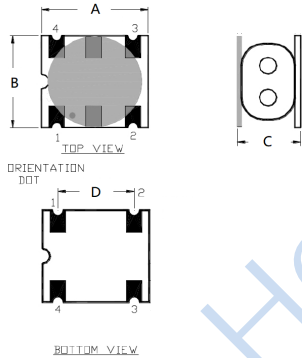
APPLICATIONS

• Ideally suitable for CATV broadband applications.

FEATURES

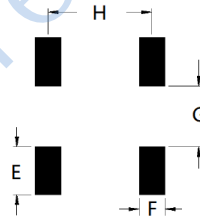
- Surface mount
- Impedance ratio: 1:2
- Centre tap on secondary
- RoHS compliant and Pb free
- Available on tape and reel
- Usable on both 50 Ω & 75 Ω Systems

DIMENSIONS



A	B	C
7.11	6.35	3.33
D		
5.08		

Land Pattern



E	F	G
2.40	1.27	3.05
H		
5.08		

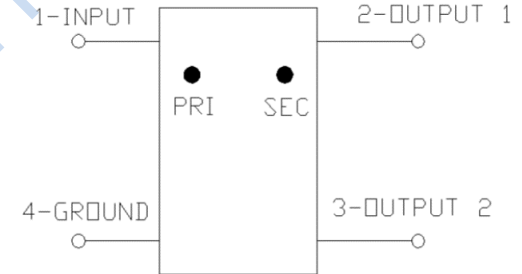
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1)			75 Or 50		Ohm
Insertion Loss	5-600MHz		0.5	1.0	dB
	600-1000MHz		0.9	1.8	dB
	1000-1200MHz		1.8	2.2	dB
Return Loss	5-50MHz	17.0	25.0		dB
	50-1000MHz	13.0	22.0		dB
	1000-1200MHz	9.0	17.0		dB
Amplitude Balance	5-600MHz		0.3	1.0	dB
	600-1000MHz		0.6	1.7	dB
	1000-1200MHz		0.8	1.9	dB
Phase Balance (ref value 180°)	5-50MHz		0.8	3	°
	50-1200MHz		5	9	°

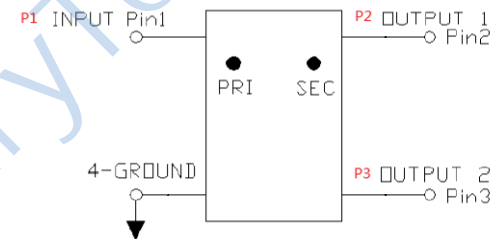
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Input(PRI Dot)
2	Output1(SEC dot)
3	Output2(SEC)
4	Ground(PRI)

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	250mW
DC Current	600mA
Operating Temperature Range	-40 to 85°C

Tel: +86-28-85589664

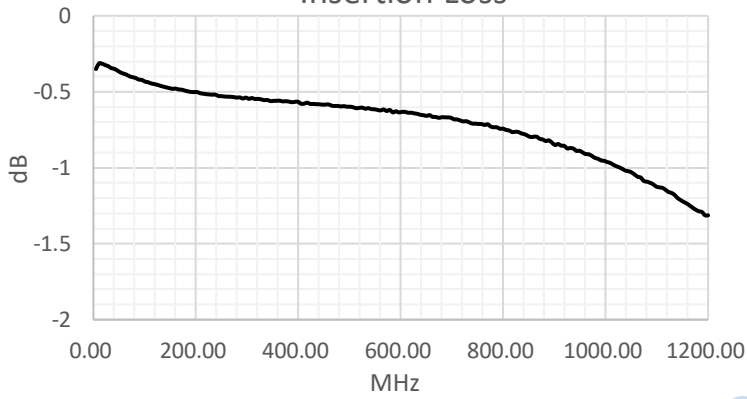
E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

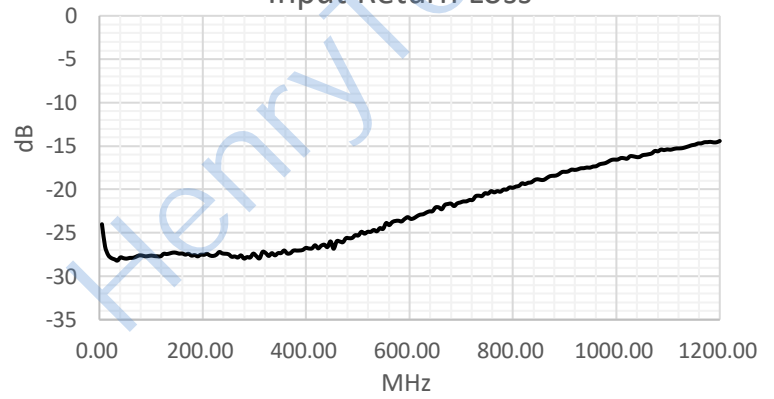
Adress:No.198 Tianqin East Street, Gaoxin West District, Chengdu City

TEST CURVE

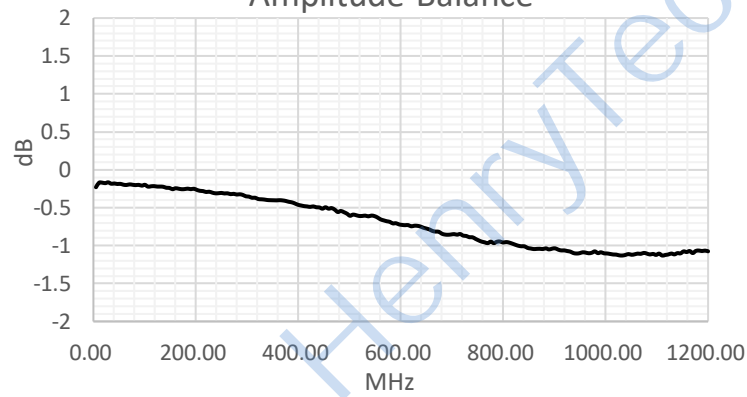
Insertion Loss



Input Return Loss



Amplitude Balance



Phase Balance

