

# H3-MABA-008757-CT1160

4.5-3000MHz 50Ω 1:1 Balun

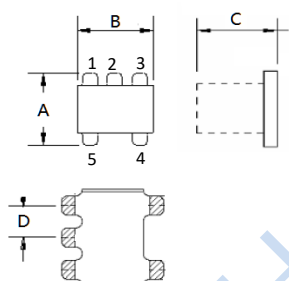
## APPLICATIONS

Ideally suited for high volume cellular and wireless application.

## FEATURES

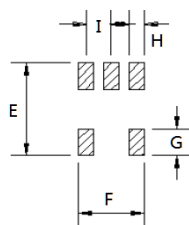
- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible

## DIMENSIONS



A	B	C
3.81	3.81	2.90
D		
1.27		

## Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

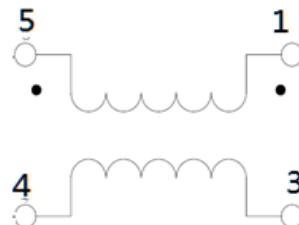
Unless otherwise stated dimensions are in mm

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 / P2 / P3)			50/ 25/ 25		Ohm
Insertion Loss Pin 4 to Pin3	4.5-1000MHz		0.6	1.0	dB
	1000-2000MHz		1.7	2.0	dB
	2000-2500MHz		2.4	5.0	dB
	2000-3000MHz		2.5	6.5	dB
Insertion Loss Pin 4 to Pin1	4.5-1000MHz		0.6	1.0	dB
	1000-2000MHz		0.7	2.0	dB
	2000-2500MHz		1.1	6.0	dB
	2000-3000MHz		2.0	8.4	dB
Amplitude Balance	4.5-20MHz		1.0	1.2	dB
	20-1000MHz		0.3	1.0	dB
Phase Balance (Nominal 180°)	4.5-1000MHz		0.1	±20	°
Input Return Loss	4.5-1000MHz	16.0	21		dB

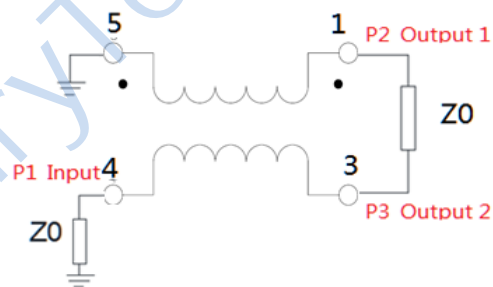
## FUNCTIONAL SCHEMATIC



## PIN CONFIGURATION

Pin No.	Function
1	Secondary Dot
2	Not Connected
3	Secondary
4	Primary
5	Primary Dot

## APPLICATION & TEST CIRCUIT



## ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW MAX
DC Current	30mA MAX
Operating Temperature Range	-40 to 85°C

Tel: +86-28-85589664

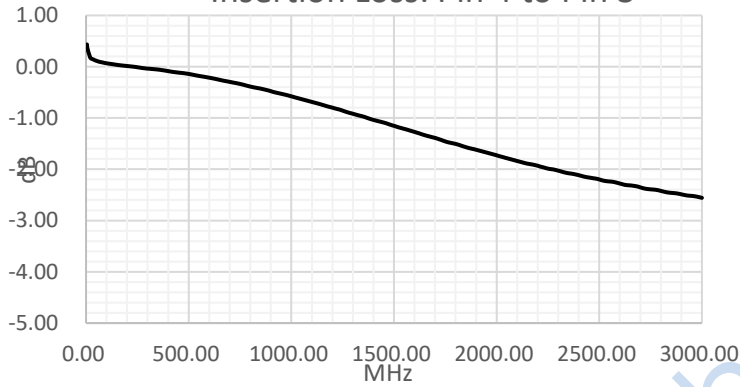
E-mail: mr\_li@henglitaitech.com

Web: www.hltchips.com

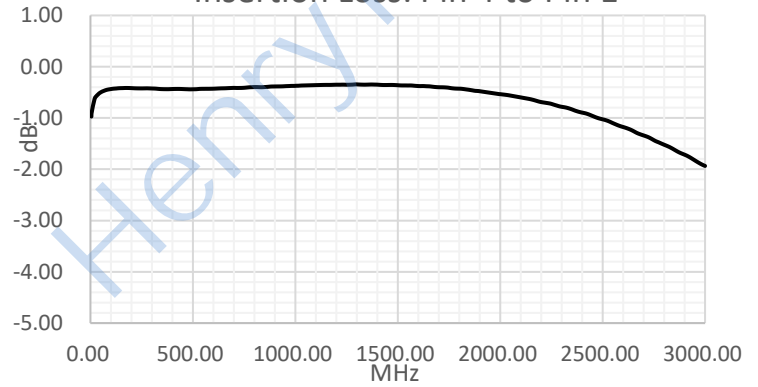
Address: No.198 Tianqin East Street, Gaoxin West District, Chengdu City

## TEST CURVE

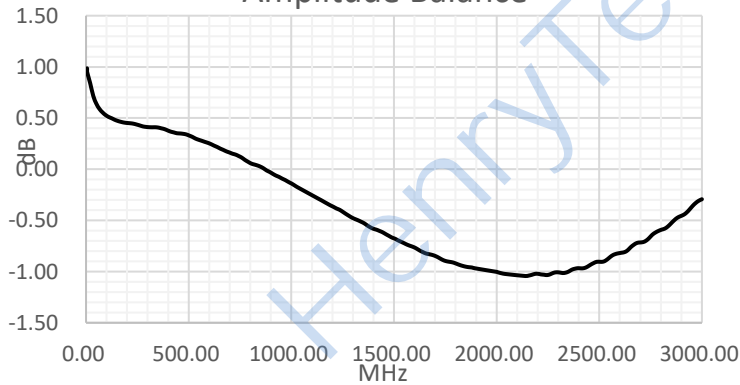
Insertion Loss: Pin 4 to Pin 3



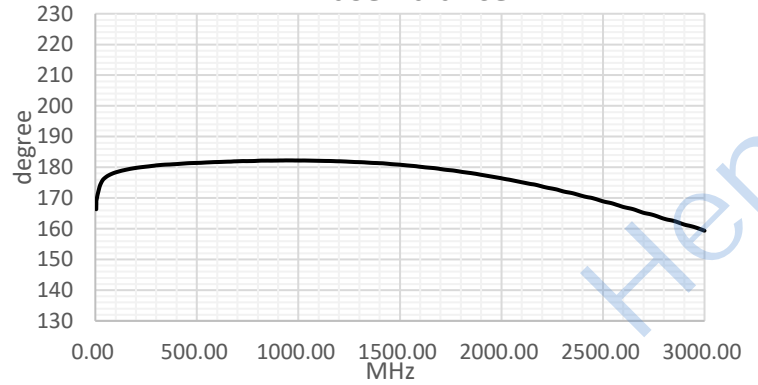
Insertion Loss: Pin 4 to Pin 1



Amplitude Balance



Phase Balance



Input Return Loss: Pin 4

