

## H3-MABA-007237-ETC410

1-350MHz 50Ω 1:4 Balun

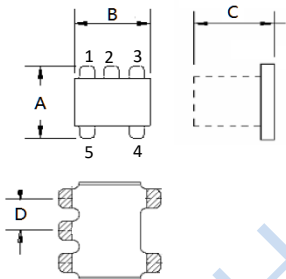
### APPLICATIONS

• Ideally suited for high volume cellular and wireless application.

### FEATURES

- Surface mount
- Impedance ratio: 1:4
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible

### DIMENSIONS

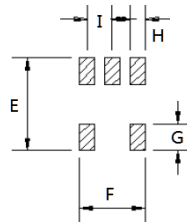


A	B	C
3.81	3.81	2.73
D		
1.27		

Unless otherwise stated dimensions are in mm

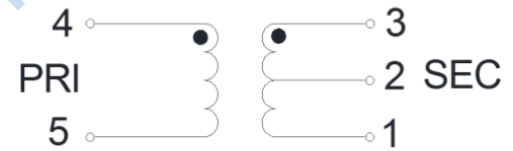
Tolerance: .xx ± 0.25, .xxx ± 0.05

### Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

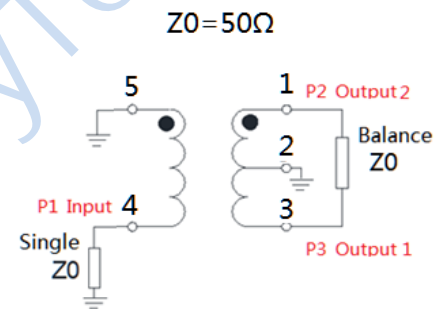
### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

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

### APPLICATION & TEST CIRCUIT



### ELECTRICAL SPECIFICATIONS@25°C:

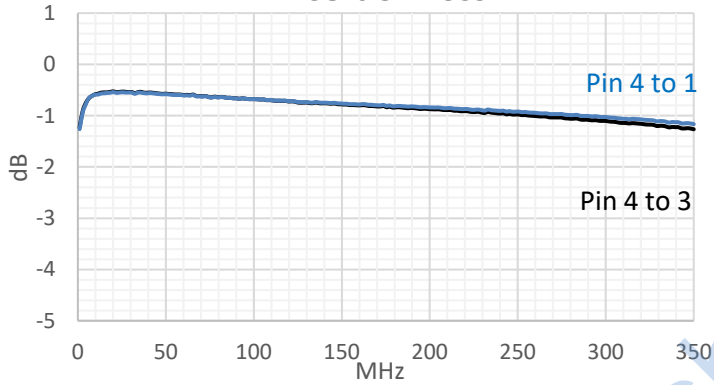
Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/100/100		Ohm
Insertion Loss	5-100MHz		0.7	1.0	dB
	2-300MHz		1.1	2.0	dB
	1-350MHz		1.2	3.0	dB
Amplitude Balance	5-100MHz		0.02	0.1	dB
	1-350MHz		0.12	0.5	dB
Phase Balance (Nominal 180°)	5-100MHz		0.5	1	Deg
	1-350MHz		2.0	5	Deg

### ABSOLUTE MAXIMUM RATINGS

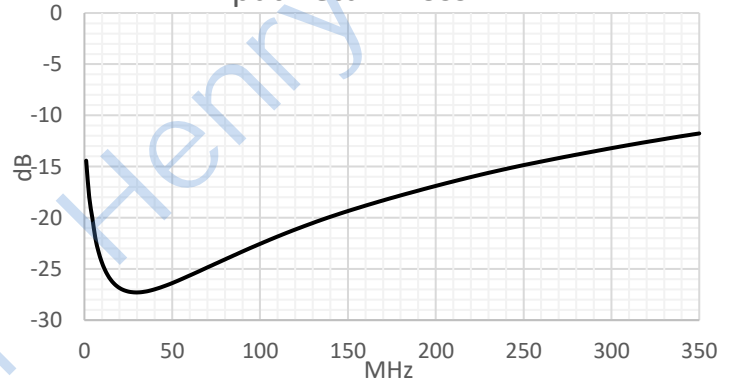
Parameter	Value
Input Power	250mW MAX
DC Current	30mA MAX
Operating Temperature Range	-40 to 85°C

## TEST CURVE

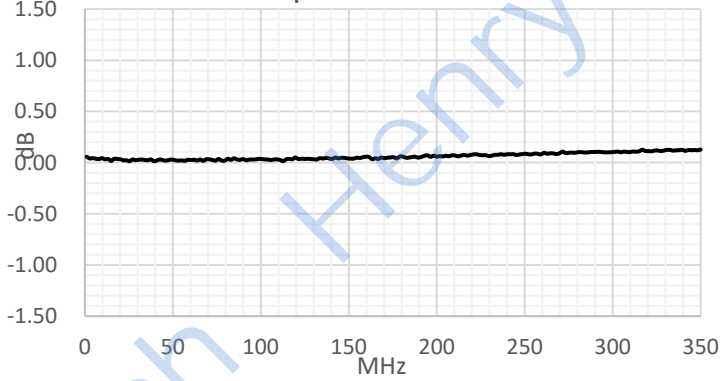
### Insertion Loss



### Input Return Loss: Pin 4



### Amplitude Balance



### Phase Balance

