

H3-MABA-007237-ETC410

1-350MHz 50Ω 1:4 Balun

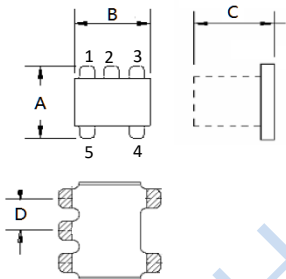
APPLICATIONS

• Ideally suited for high volume cellular and wireless application.

FEATURES

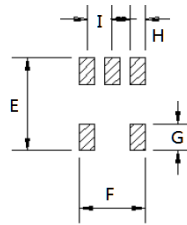
- Surface mount
- Impedance ratio: 1:4
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible

DIMENSIONS



A	B	C
3.81	3.81	2.73
D		
1.27		

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

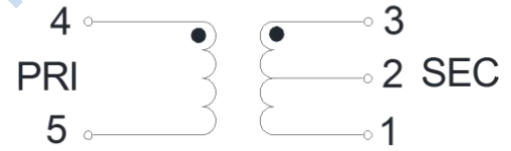
Unless otherwise stated dimensions are in mm

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)			50/100/100		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

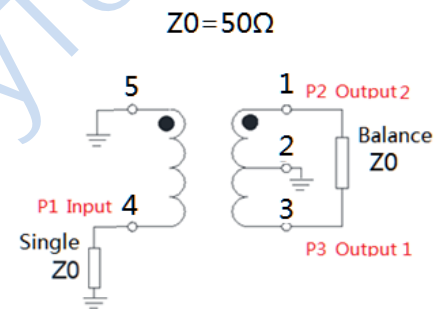
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT

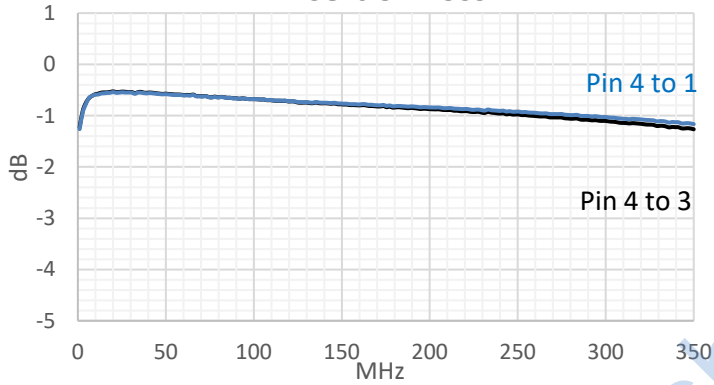


ABSOLUTE MAXIMUM RATINGS

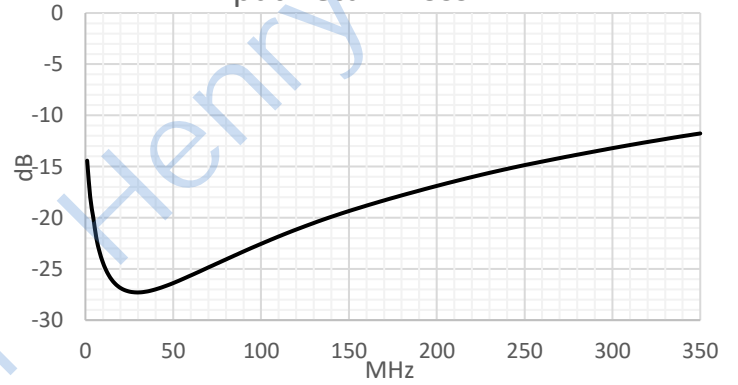
Parameter	Value
Input Power	250mW MAX
DC Current	30mA MAX
Operating Temperature Range	-40 to 85°C

TEST CURVE

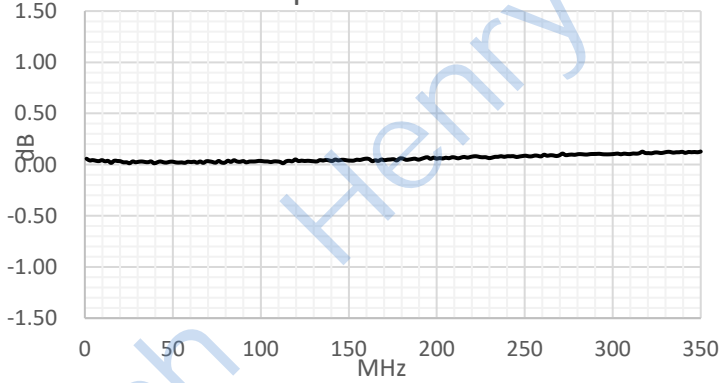
Insertion Loss



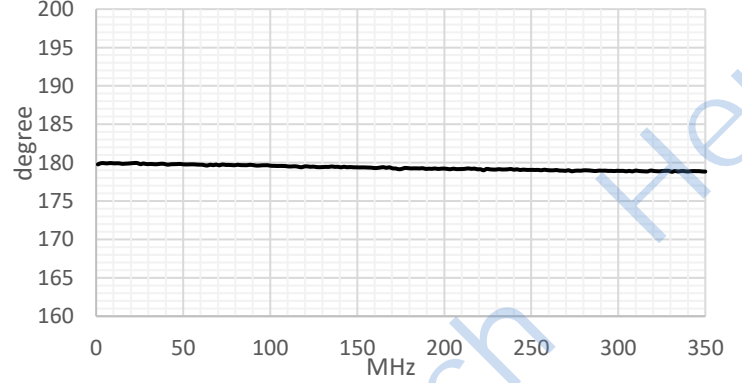
Input Return Loss: Pin 4



Amplitude Balance



Phase Balance



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