

## H3-MABA-010129-CT4A40

5-1200MHz 50Ω 1:4 Ratio Balun

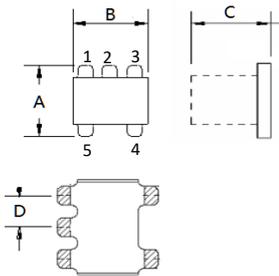
### APPLICATIONS

- Ideally suited for high volume cellular and wireless applications.

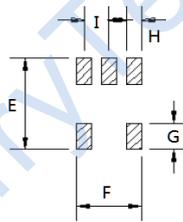
### FEATURES

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

### DIMENSIONS



### Land Pattern



A	B	C
3.81	3.81	3.5 Max
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

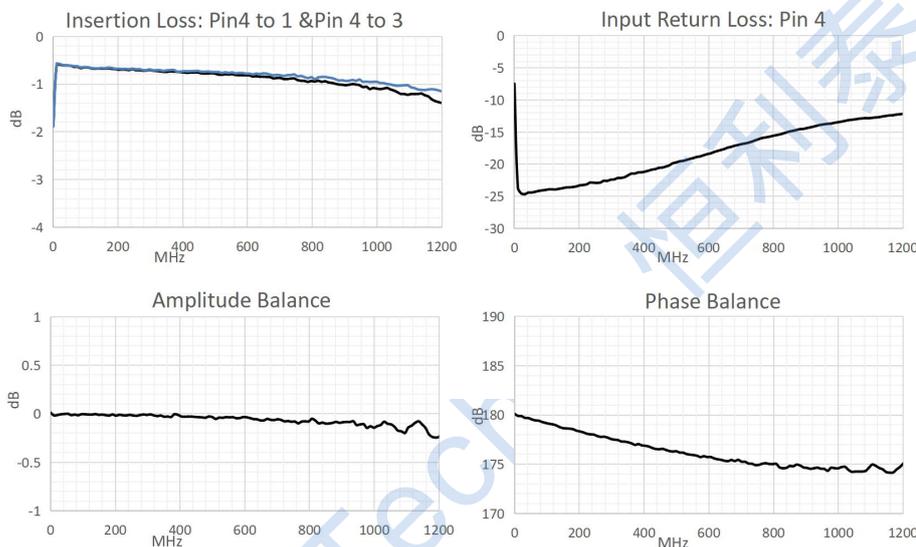
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

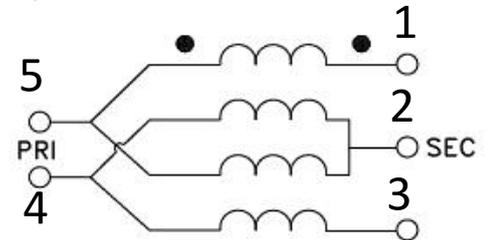
### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50 / 100 / 100		Ohm
Insertion Loss	5-500MHz		0.70	1.00	dB
	500-1200MHz		1.40	2.00	dB
Amplitude Balance	5-1200MHz		0.20	0.50	dB
Phase Balance	5-1200MHz		5.80	8.00	Deg
Input Return Loss	5-1200MHz		12.0		dB

### TEST CURVE



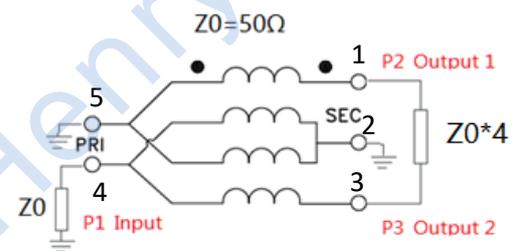
### FUNCTIONAL SCHEMATIC



### Pin Configuration

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

### APPLICATION & TEST CIRCUIT



### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW Max
DC Current	240mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

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