

## H3-MABA-009210-CT1760

50-1200MHz 75Ω 1:1 Balun

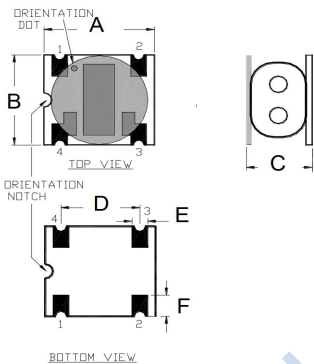
### • APPLICATIONS

• Ideally suitable for CATV broadband applications.

### • FEATURES

- Surface mount
- Impedance ratio: 1:1
- Suitable for use in 50 Ohm and 75 Ohm systems
- RoHS compliant and Pb free
- Available on tape and reel

### DIMENSIONS

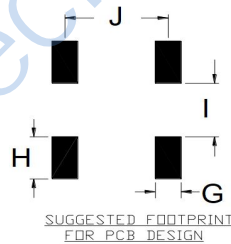


A	B	C
7.11±5%	6.35±5%	4.36±10%
D	E	F
5.08	1.00	1.50

Unless otherwise stated dimensions are in mm

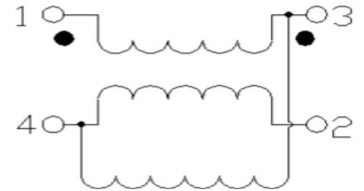
Tolerance: .xx ± 0.25, .xxx ± 0.05

### Land Pattern



G	H	I
1.27	2.40	3.05
J		
5.08		

### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	Primary Dot (input)
2	Secondary (o/p coupled)
3	Secondary Dot (o/p through)
4	Primary (ground)

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Insertion Loss 1 (pin3-pin1)	50MHz		0.1	0.33	dB
	870MHz		0.5	0.93	dB
	1002MHz		0.6	1.18	dB
	1200MHz		0.8	1.93	dB
Insertion Loss 2 (pin2-pin1)	50MHz		0.4	0.62	dB
	870MHz		0.3	0.63	dB
	1002MHz		0.4	0.78	dB
	1200MHz		0.6	1.33	dB
Phase Balance	50-1002MHz		1.3	4.0	Deg
	1002-1200MHz		3.3	8.0	Deg
Amplitude Balance	50MHz		0.3	0.6	dB
	870MHz		0.1	0.7	dB
	1002MHz		0.2	0.7	dB
	1200MHz		0.4	0.8	dB
Input Return Loss	50-500MHz	18.0	23.0		dB
	500-1002MHz	17.5	19.0		dB
	1002-1200MHz	11.0	18.0		dB

### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	500 mW
DC Current	500 mA
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-40 to 85°C

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## TEST CURVE

