

H3-MABA-011085

5-1225MHz 75Ω 1:1 Balun

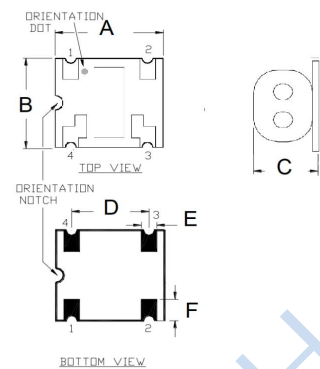
APPLICATIONS

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

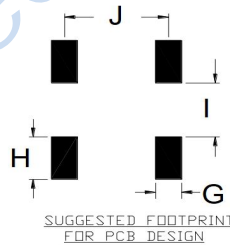


A	B	C
7.11±5%	6.35±5%	4.36±10%
D	E	F
5.08	1.00	1.50

Unless otherwise stated dimensions are in mm

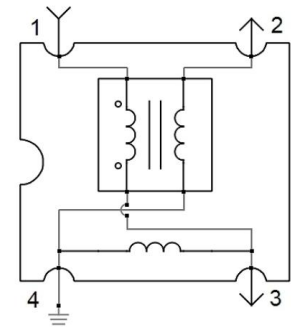
Tolerance: .xx ± 0.25, .xxx ± 0.05

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 (output 2)
3	Secondary (output 1)
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 (pin1-pin3)	5-300MHz		0.2	0.40	dB
	300-1000MHz		0.4	0.80	dB
	1000-1225MHz		0.7	1.00	dB
Insertion Loss 2 (pin1-pin2)	5-300MHz		0.4	0.70	dB
	300-1000MHz		0.6	0.90	dB
	1000-1225MHz		0.7	0.90	dB
Phase Balance	50-300MHz		1.0	4.0	Deg
	300-1225MHz		2.0	9.0	Deg
Amplitude Balance	50-300MHz		0.2	0.4	dB
	300-1225MHz		0.1	0.5	dB
Input Return Loss	50-300MHz	23.0	28.0		dB
	300-1225MHz	15.0	23.0		dB

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power (Specified at +25°C only)	2000 mW
DC Current	1500 mA
Operating Temperature Range	-40 to 125°C
Storage Temperature Range	-40 to 125°C

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TEST CURVE

