

H3-MABA-011039

1-300MHz 75Ω 1:4 Balun

• APPLICATIONS

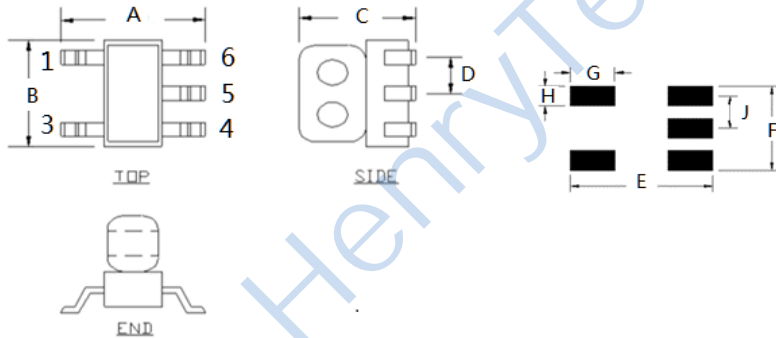
• Ideally suitable for CATV broadband applications.

• FEATURES

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

DIMENSIONS

Land Pattern



A	B	C
4.26	3.80	3.54
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

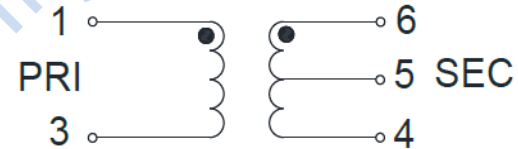
Unless otherwise stated dimensions are in mm

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)			75 / 150 / 150		Ohm
Insertion Loss	1-300MHz		0.4	1.1	dB
Input Return Loss(Pin 1)	1-300MHz	14.0	25.0		dB
Amplitude Balance	1-300MHz		0.02	0.5	dB
Phase Balance(ref value 180°)	1-300MHz		1.0	3.0	Deg

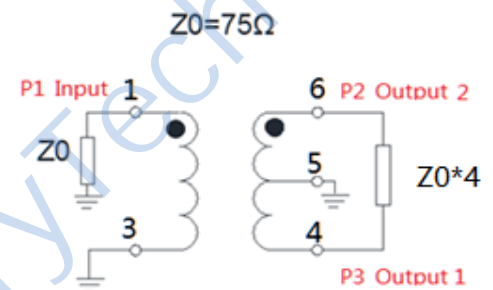
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Primary Dot (input)
3	Primary (ground)
4	Secondary (Output1)
5	Center Tap (Ground)
6	Secondary Dot (Output2)

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	2W Max
DC Current	1500mA Max
Operating Temperature Range	-40 to 125°C

TEST CURVE

