



H3-MABA-011038

1-300MHz 50Ω 1:3 Ratio Balun

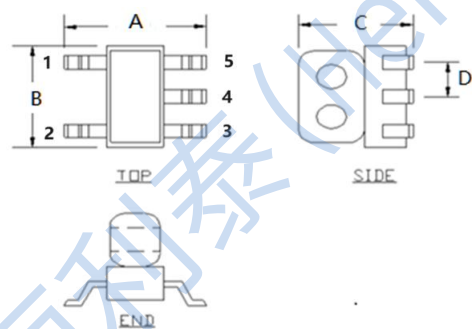
• APPLICATIONS

- Ideally suitable for CATV broadband applications.

• FEATURES

- Surface mount
- Impedance ratio: 1:3
- Centre tap on secondary
- RoHS compliant
- Available on tape and reel

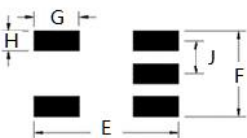
DIMENSIONS



A	B	C
4.23	3.74	3.55
D		
1.27		

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern

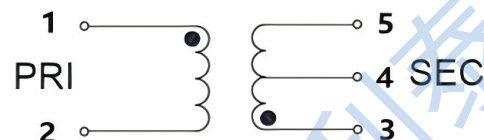


E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Impedance ratio			1:3		
Insertion Loss 1 (Pin2 - Pin3)	1-150MHz		0.6	0.9	dB
	150-300MHz		0.9	1.2	dB
Insertion Loss 2 (Pin2 - Pin5)	1-300MHz		0.5	0.9	dB
Amplitude Balance	1-150MHz		0.06	0.2	dB
	150-300MHz		0.25	0.5	dB
Phase Balance (ref value 180°)	1-150MHz		0.5	2.0	Deg
	150-300MHz		1.0	4.0	Deg
Input Return Loss (Pin2)	1-150MHz	17.0	20.0		dB
	150-300MHz	14.0	17.0		dB

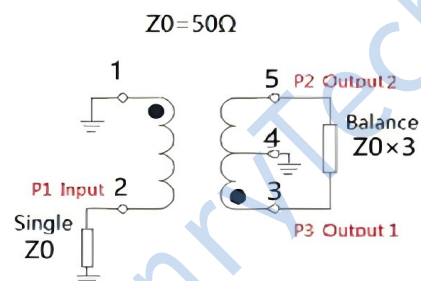
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Ground
2	Input
3	Output1
4	Ground
5	Output2

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	500mW Max
DC Current	500mA Max
Operating Temperature Range	-40 to 125°C



TEST CURVE

