

H3-MABA-009600-CF48A0

4-200MHz 50Ω 1:4 Balun

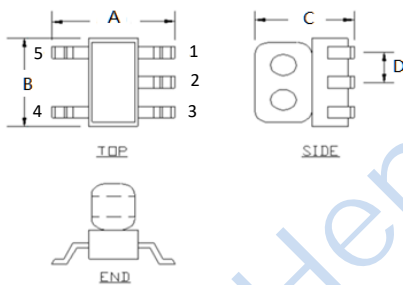
• APPLICATIONS

• 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

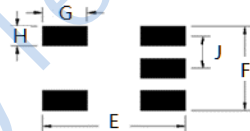


A	B	C
5.30	4.19	3.72
D		
1.50		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



E	F	G
6.13	3.91	1.92
H	J	
0.91	1.50	

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

ELECTRICAL SPECIFICATIONS@25°C:

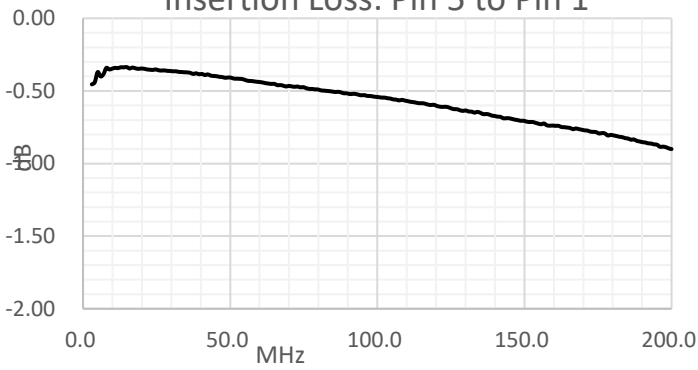
Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss Pin5 to Pin1	4-65MHz		0.4	0.7	dB
	65-200MHz		0.9	1.5	dB
Input Return Loss	4-65MHz	15.0	22.0		dB
	65-200MHz	7.0	11.0		dB
Amplitude Balance	4-65MHz		0.02	0.10	dB
	65-200MHz		0.20	0.50	dB
Phase Balance	4-65MHz		0.4	2.0	Deg
	65-200MHz		2.0	8.0	Deg

ABSOLUTE MAXIMUM RATINGS

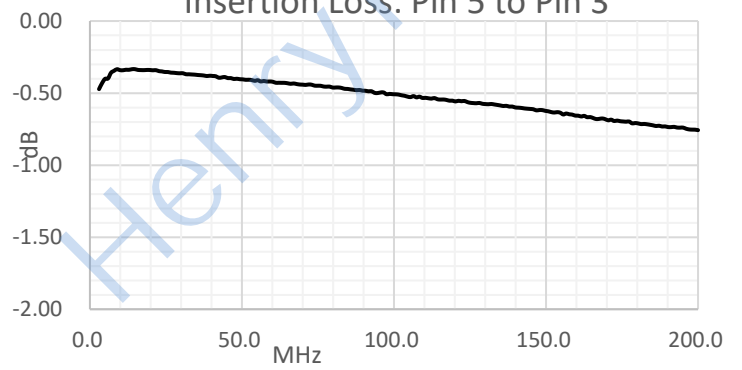
Parameter	Value
Input RF Power	250mW Max
DC Current	200mA Max
Operating Temperature Range	-40 to 85°C

TEST CURVE

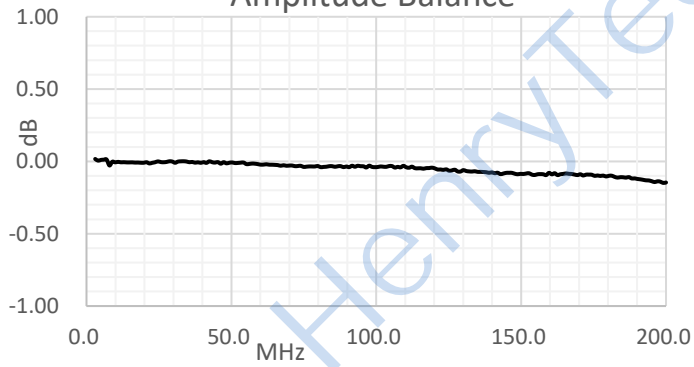
Insertion Loss: Pin 5 to Pin 1



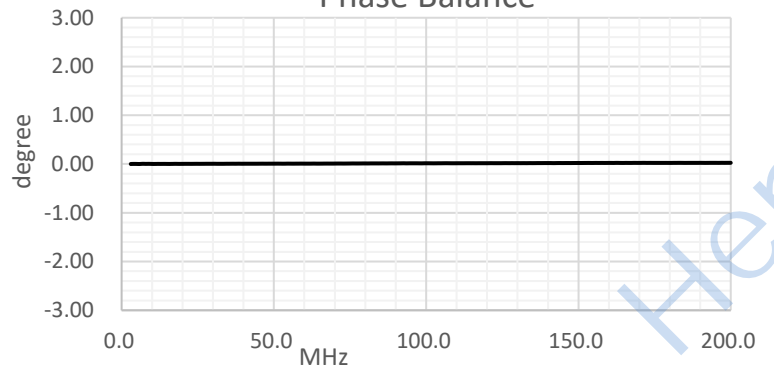
Insertion Loss: Pin 5 to Pin 3



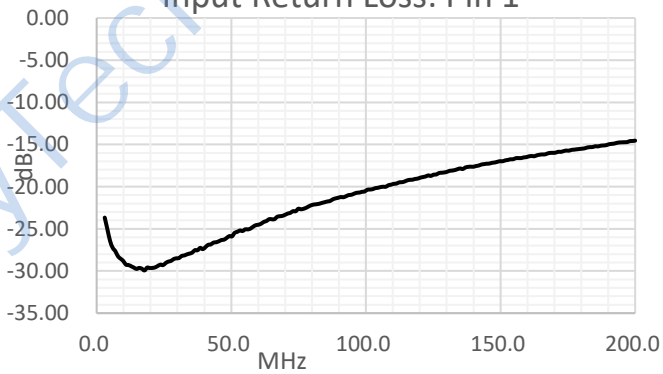
Amplitude Balance



Phase Balance



Input Return Loss: Pin 1



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