

H3-MABA-007681

5-1200MHz 75Ω 1:2 Balun

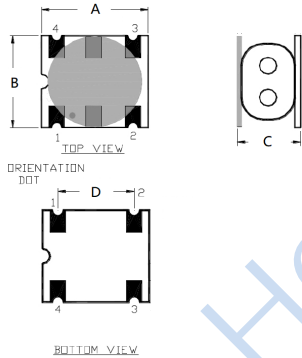
APPLICATIONS

• Ideally suitable for CATV broadband applications.

FEATURES

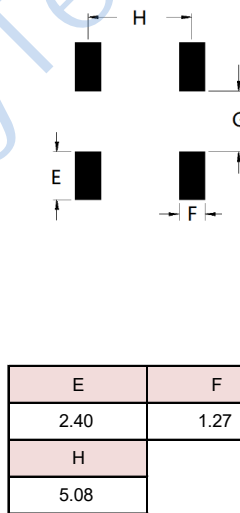
- Surface mount
- Impedance ratio: 1:2
- Centre tap on secondary
- RoHS compliant and Pb free
- Available on tape and reel
- Usable on both 50 Ω & 75 Ω Systems

DIMENSIONS



A	B	C
7.11	6.35	3.33
D		
5.08		

Land Pattern



E	F	G
2.40	1.27	3.05
H		
5.08		

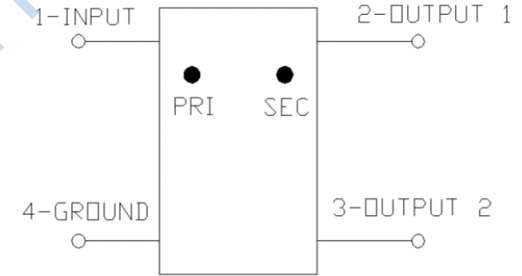
Unless otherwise stated dimensions are in mm

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)			75 Or 50		Ohm
Insertion Loss	5-600MHz		0.5	1.0	dB
	600-1000MHz		0.9	1.8	dB
	1000-1200MHz		1.8	2.2	dB
Return Loss	5-50MHz	17.0	25.0		dB
	50-1000MHz	13.0	22.0		dB
	1000-1200MHz	9.0	17.0		dB
Amplitude Balance	5-600MHz		0.3	1.0	dB
	600-1000MHz		0.6	1.7	dB
	1000-1200MHz		0.8	1.9	dB
Phase Balance (ref value 180°)	5-50MHz		0.8	3	°
	50-1200MHz		5	9	°

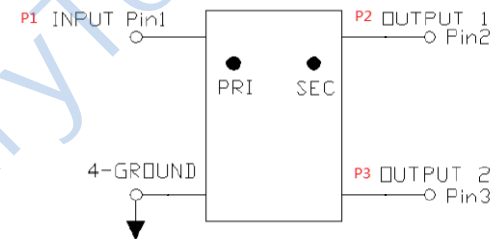
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Input(PRI Dot)
2	Output1(SEC dot)
3	Output2(SEC)
4	Ground(PRI)

APPLICATION & TEST CIRCUIT

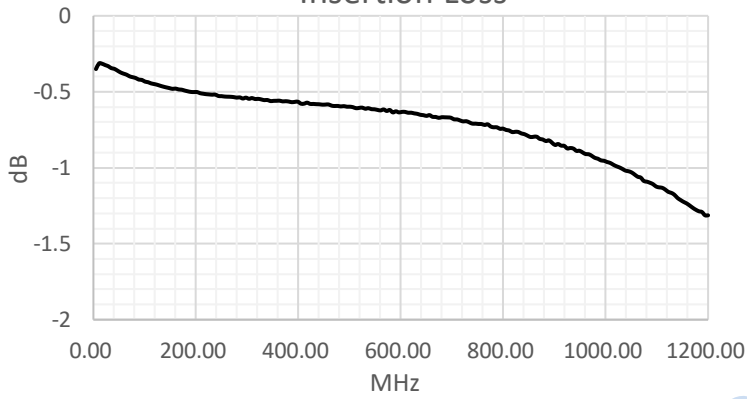


ABSOLUTE MAXIMUM RATINGS

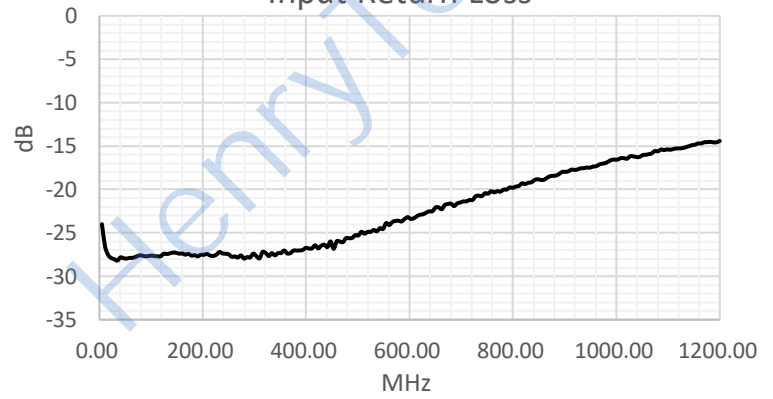
Parameter	Value
RF Power	250mW
DC Current	600mA
Operating Temperature Range	-40 to 85°C

TEST CURVE

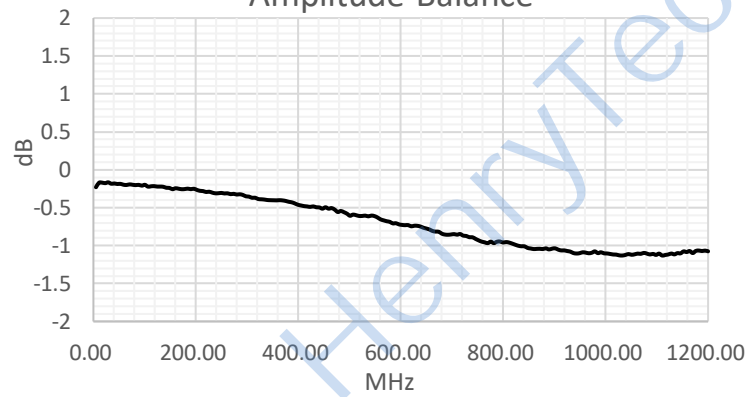
Insertion Loss



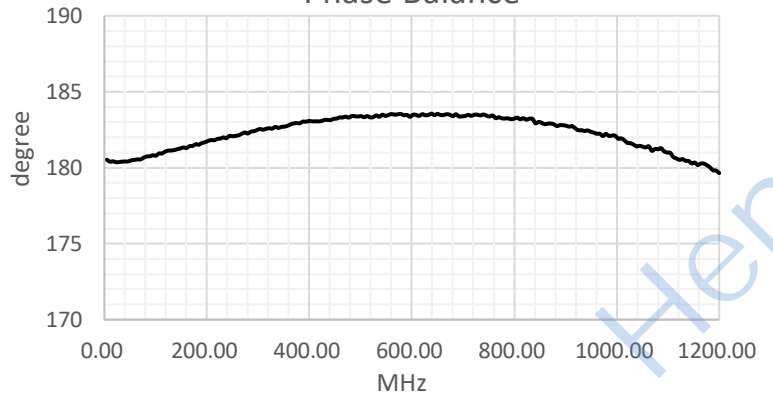
Input Return Loss



Amplitude Balance



Phase Balance



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [HenryTech](#) manufacturer:

Other Similar products are found below :

[PD0409J5050S2HF](#) [HHS-109-PIN](#) [AFS14A35-1591.50-T3](#) [JP510S](#) [LFB322G45SN1A504](#) [SF2159E](#) [FM-104-PIN](#) [CER0813B](#)

[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)

[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)

[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)

[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)

[CHE1260-QAG](#) [11305-10](#) [5962-9091202MXA](#) [3A412S](#) [X3C06A4-03S](#) [B39000Z3410A4](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#)

[B39242B4360P810](#) [B39781B8005P810](#)