

H3-MABA-009776-CF28A0

5-100MHz 75Ω 2:1 Balun

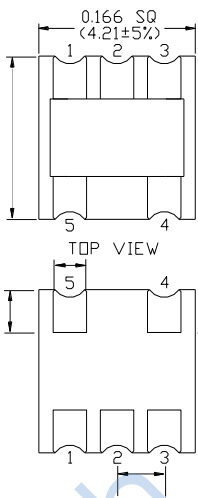
APPLICATIONS

• Ideally suitable for CATV broadband applications.

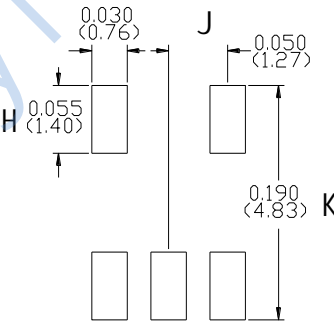
FEATURES

- Surface mount
- Impedance ratio: 2:1
- Centre tap on secondary
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS



Land Pattern



A	B	C	D	H	I	J
4.21	4.21	2.63	1.27	1.40	0.76	1.27
E	F	G		K		
1.11	0.90	2.00		4.83		

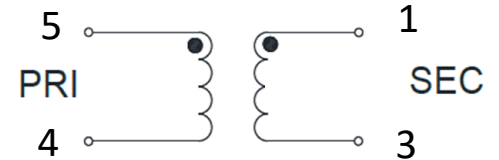
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Insertion Loss (pin 5-1)	5-100MHz		0.40	0.80	dB
Insertion Loss (pin 5-3)	5-100MHz		0.40	0.80	dB
Amplitude Balance	5-100MHz		0.10	1.00	dB
Phase Balance	5-100MHz		2.00	6.00	Deg
Input Return Loss	5-100MHz	14	22		dB

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

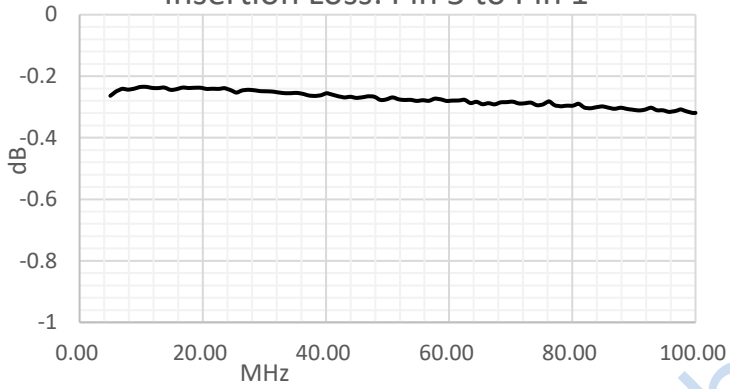
Pin No.	Function
1	Secondary Dot
2	No Connection
3	Secondary
4	Primary
5	Primary Dot

ABSOLUTE MAXIMUM RATINGS

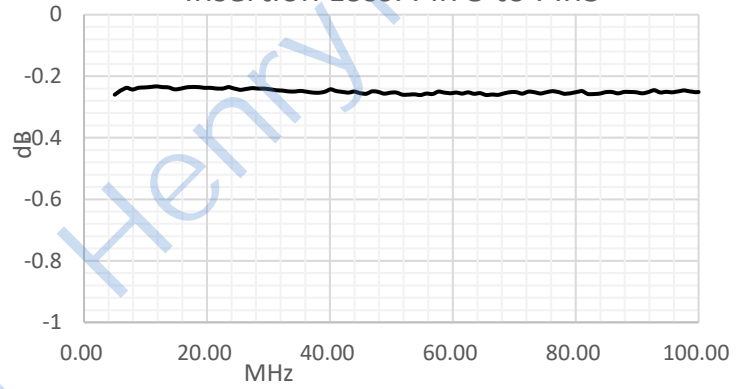
Parameter	Value
Input Power	250mW Max
DC Current	240mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

TEST CURVE

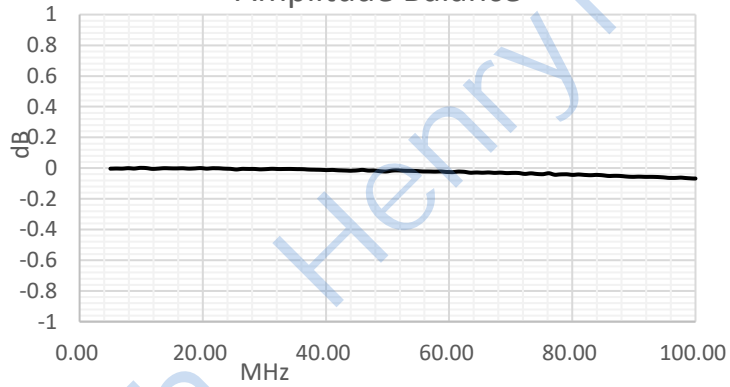
Insertion Loss: Pin 5 to Pin 1



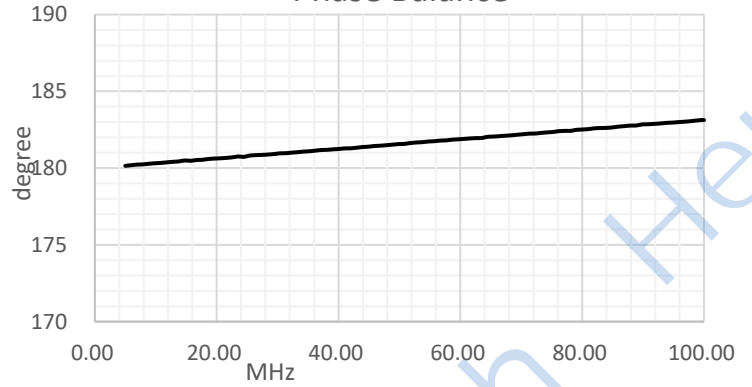
Insertion Loss: Pin 5 to Pin3



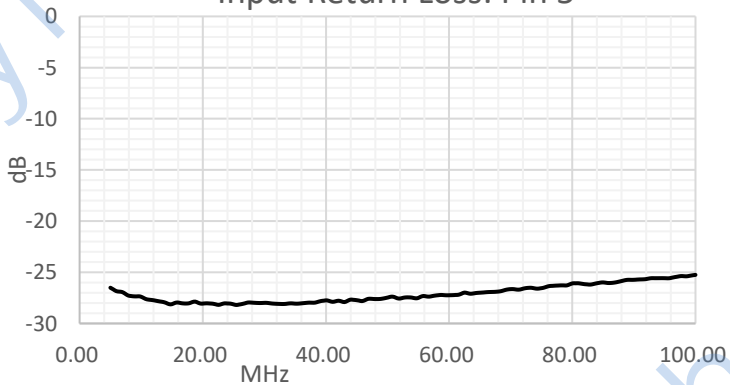
Amplitude Balance



Phase Balance



Input Return Loss: Pin 5



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