

H3-ADT2-1T+

0.4-500MHz 50Ω 1:2 Balun

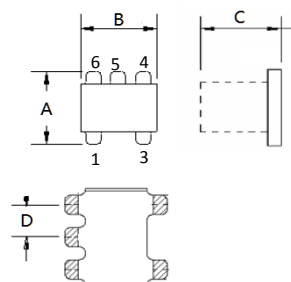
APPLICATIONS

Ideally suitable for CATV broadband applications.

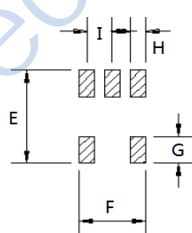
FEATURES

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

DIMENSIONS



Land Pattern



A	B	C
3.81	3.81	2.90
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

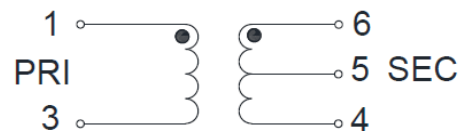
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z ₀ (P1 / P2 / P3)			50/50/50		Ohm
Insertion Loss	1-200MHz		0.5	1.0	dB
	0.6-400MHz		0.7	2.0	dB
	0.4-500MHz		0.9	3.0	dB
Return Loss	1-200MHz	15.0	18.0		dB
	0.6-400MHz	8.0	12.0		
	0.4-500MHz	5.0	11.0		dB
Amplitude Balance	1-400MHz		0.6	±1	dB
	0.4-500MHz		0.9	±1.5	dB
Phase Balance (ref value 180°)	1-400MHz		4	±7	°
	0.4-500MHz		6	±9	°
CMRR	1-400MHz	22.0	26.0		dB
	0.4-500MHz	20.0	23.0		dB

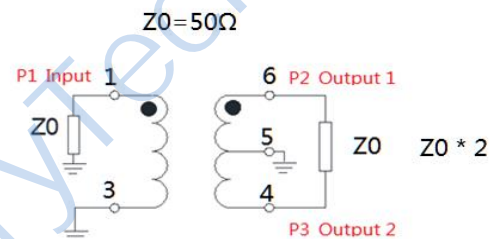
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Primary Dot
3	Primary
4	Secondary
5	Secondary Centre Tap
6	Secondary Dot

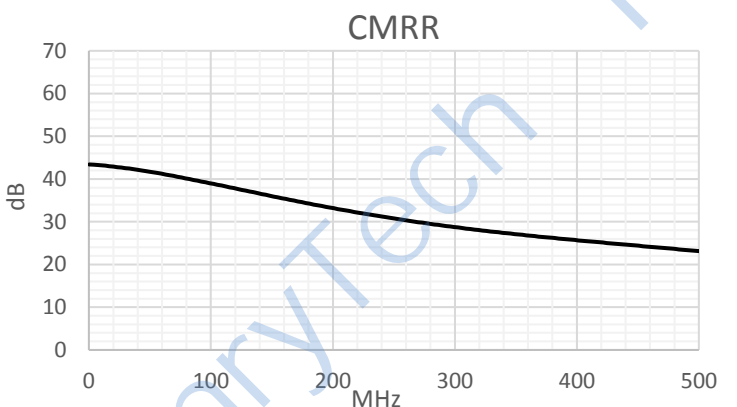
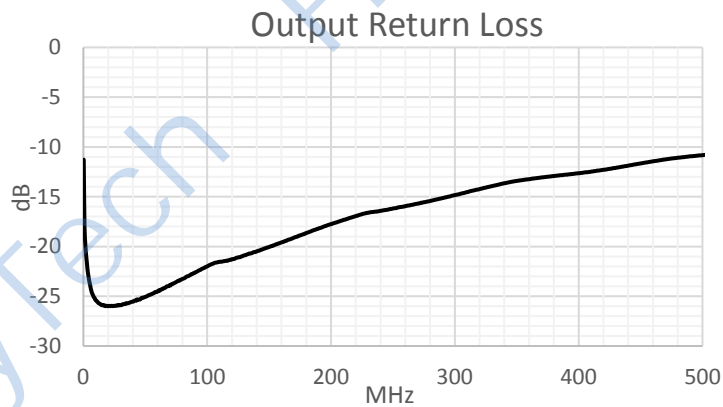
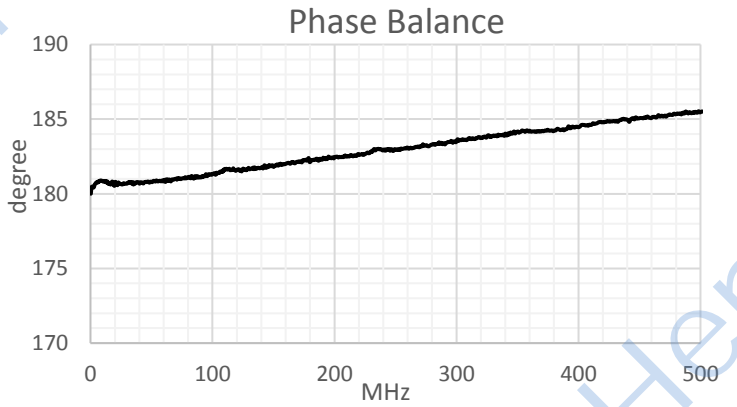
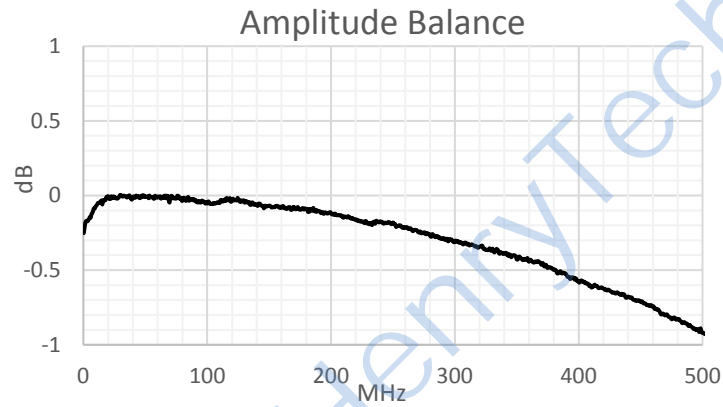
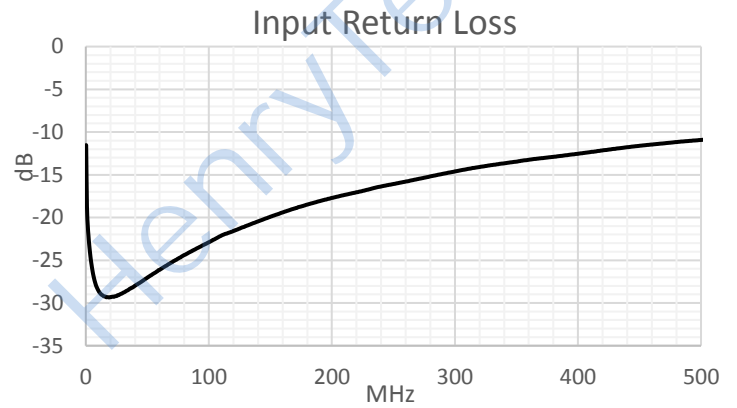
APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	250mW
DC Current	240mA
Operating Temperature Range	-40 to 85°C

TEST CURVE



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