



H3-ADT2-1T

0.4-500MHz 50Ω 1:2Ratio Balun

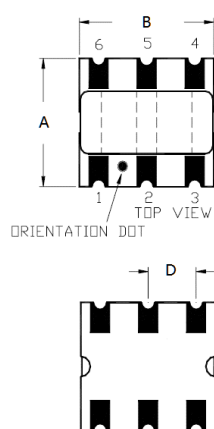
• APPLICATIONS

- 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



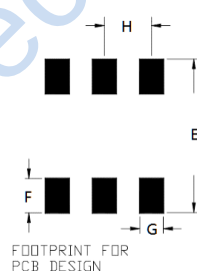
BOTTOM VIEW

A	B	C
6.35	7.15	2.70
D		
2.54		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

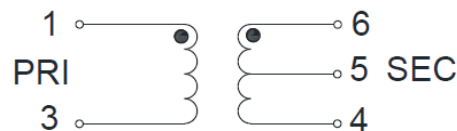
Land Pattern



FOOTPRINT FOR PCB DESIGN

E	F	G
7.62	1.75	1.27
H		
2.54		

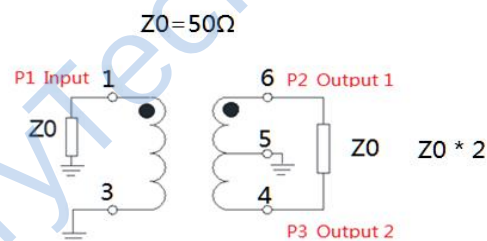
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT



ELECTRICAL SPECIFICATIONS@25℃:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/50/50		Ohm
Insertion Loss	1-200MHz		0.7	1.0	dB
	0.4-500MHz		1.2	2.0	dB
Return Loss	0.4-500MHz		11.0		dB
Amplitude Balance	0.4-500MHz		0.2	0.8	dB
Phase Balance (ref value 180 °)	0.4-500MHz		1	3	°

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	1W
DC Current	30mA
Operating Temperature Range	-40 to 85℃

TEST CURVE

