

## H3-ADT2-1T-1P+

8-600MHz 50Ω 1:2 Balun

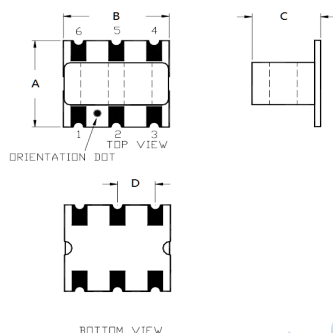
### APPLICATIONS

• Ideally suitable for CATV broadband applications.

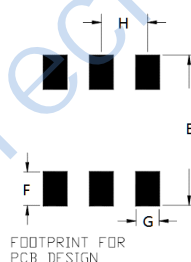
### FEATURES

- 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
6.35	7.15	2.70
D		
2.54		

E	F	G
7.62	1.75	1.27
H		
2.54		

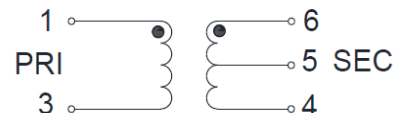
Unless otherwise stated dimensions are in mm

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 / P2 / P3)			50/50/50		Ohm
Insertion Loss	8-600MHz		1.5	3.0	dB
	10-400MHz		0.9	2.0	dB
	13-300MHz		0.7	1.0	dB
Return Loss	8-600MHz		11.0		dB
	10-400MHz		13.0		dB
	13-300MHz		16.0		dB
Amplitude Balance	8-600MHz		1.2		dB
	10-400MHz		0.4		dB
	13-300MHz		0.2		dB
Phase UnBalance	8-600MHz		0.7		°
	10-400MHz		1.4		°
	13-300MHz		1.2		°

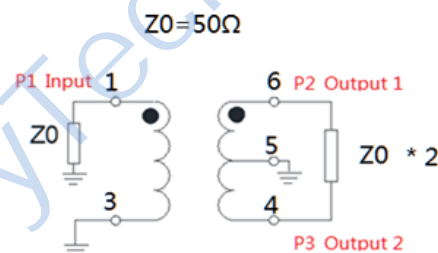
### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	Primary
2	NOT USED
3	Primary Dot
4	Secondary Dot
5	Secondary Centre Tap
6	Secondary

### APPLICATION & TEST CIRCUIT



### ABSOLUTE MAXIMUM RATINGS

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

## TEST CURVE

