

H3-ADT4-6T+

0.1-300MHz 50Ω 1:4Ratio Balun

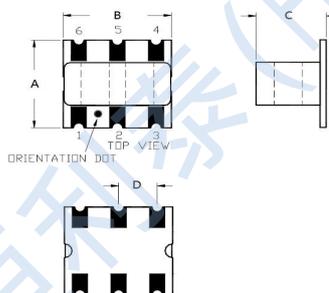
• APPLICATIONS

• Ideally suitable for CATV broadband applications.

• FEATURES

- Surface mount
- Impedance ratio: 1:4
- Centre tap on secondary
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS

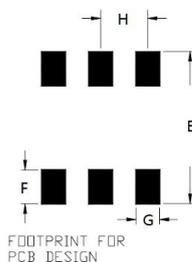


A	B	C
6.35	7.15	4.5Max
D		
2.54		

Unless otherwise stated dimensions are in mm

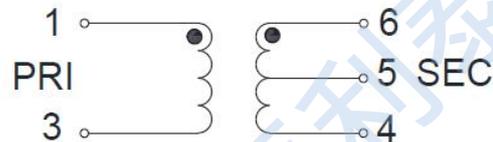
Tolerance: .xx ± 0.25, .xxx ± 0.05

RECOMMENED LAND PATTERN



E	F	G
7.62	1.75	1.27
H		
2.54		

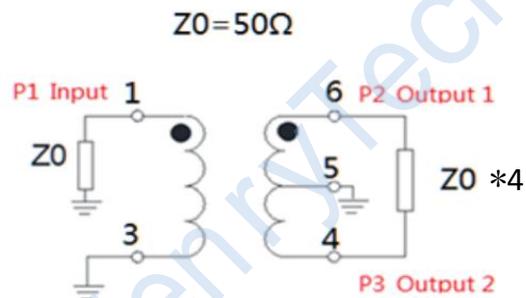
FUNCTIONAL SCHEMATIC



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



ELECTRICAL SPECIFICATIONS@25°C:

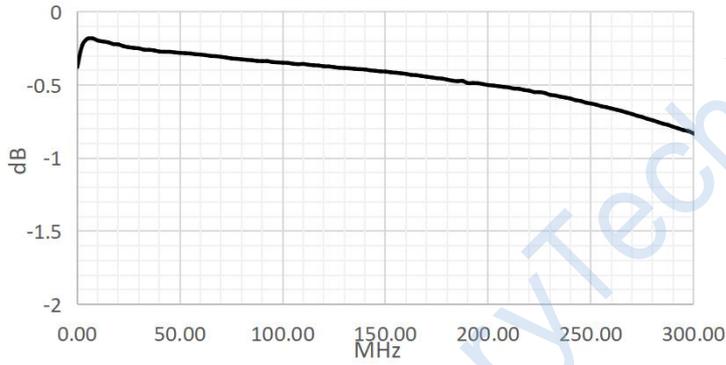
Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Ω RATIO(Secondary/Primary)			4		
Insertion Loss	0.1-200MHz		0.5	1.0	dB
	200-250MHz		0.6	2.0	dB
	250-300MHz		0.8	3.0	dB
Amplitude UnBalance	0.1-200MHz		0.3	0.6	dB
	200-250MHz		0.5	0.9	dB
	250-300MHz		0.7	1.2	dB
Phase UnBalance	0.1-200MHz		2	5	°
	200-250MHz		4	8	°
	250-300MHz		8	12	°

ABSOLUTE MAXIMUM RATINGS

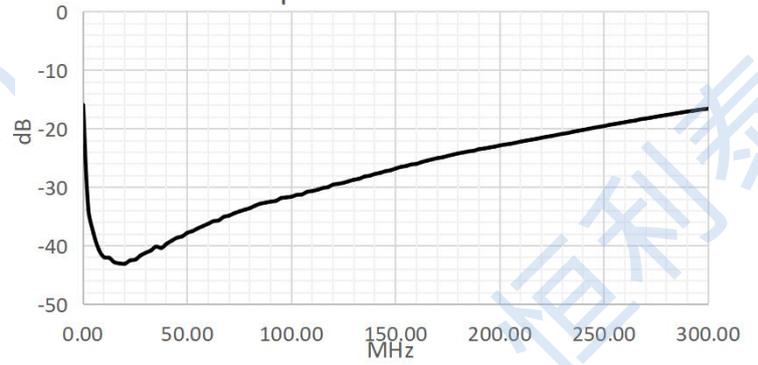
Parameter	Value
RF Power	0.25W
DC Current	30mA
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 105°C

TEST CURVE

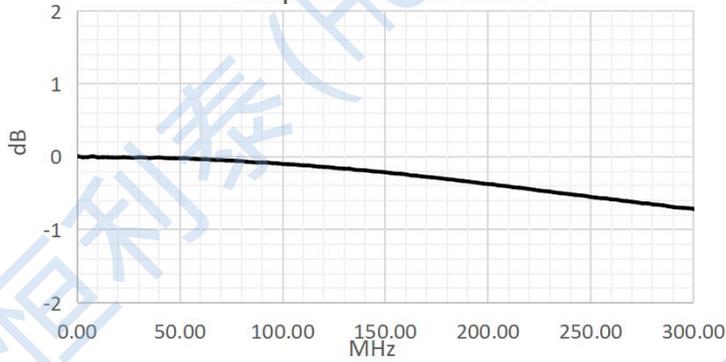
Insertion Loss



Input Return Loss



Amplitude UnBalance



Phase UnBalance

