



H3-ADT1-6T+

0.1-125MHz 50Ω 1:1 Ratio Balun

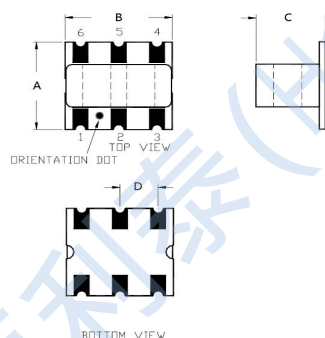
• APPLICATIONS

- Ideally suitable for CATV broadband applications.

• FEATURES

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

DIMENSIONS

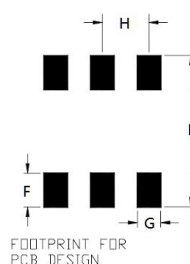


A	B	C
6.35	7.15	4.5Max
D		
2.54		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern

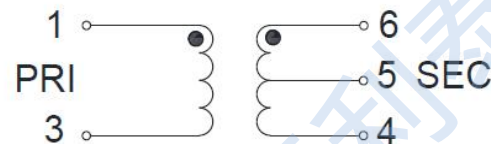


E	F	G
7.62	1.75	1.27
H		
2.54		

ELECTRICAL SPECIFICATIONS@25℃:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/25/25		Ohm
Insertion Loss	0.1-50MHz		0.6	1.0	dB
	50-75MHz		0.8	2.0	dB
	75-125MHz		1.5	3.0	dB
Amplitude UnBalance	0.1-50MHz		0.1	0.4	dB
	50-75MHz		0.2	0.5	dB
	75-125MHz		0.7	1.2	dB
Phase UnBalance	0.1-50MHz		1	3	°
	50-75MHz		1	3	°
	75-125MHz		1	5	°

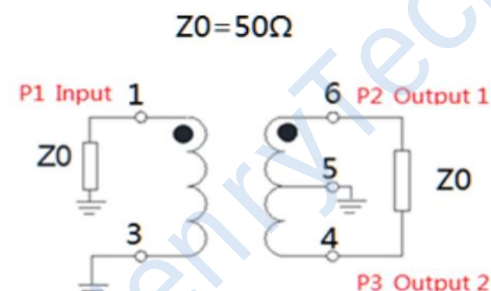
FUNCTIONAL SCHEMATIC



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

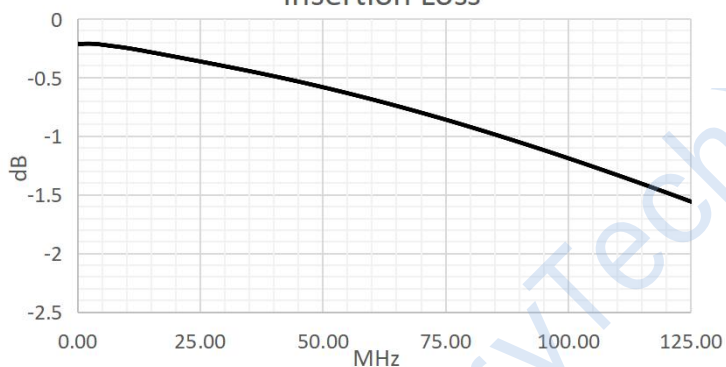


ABSOLUTE MAXIMUM RATINGS

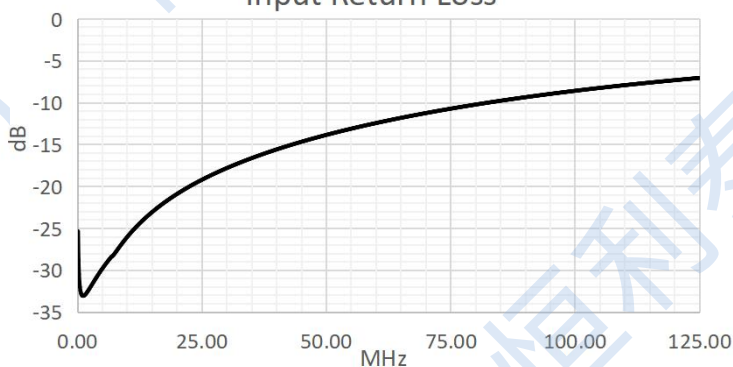
Parameter	Value
RF Power	1W
DC Current	30mA
Operating Temperature Range	-40 to 85℃

TEST CURVE

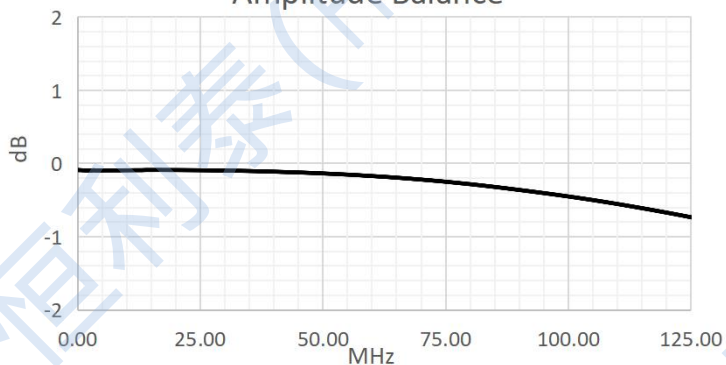
Insertion Loss



Input Return Loss



Amplitude Balance



Phase Balance

