

H3-ADTL1-12+

20-1200MHz 50Ω 1:1 Balun

• APPLICATIONS

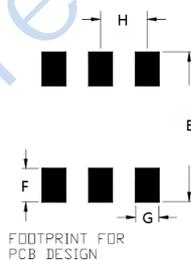
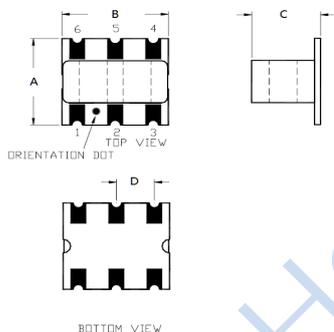
• Ideally suitable for CATV broadband applications.

• FEATURES

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

DIMENSIONS

Land Pattern



A	B	C
6.35	7.15	2.50
D		
2.54		

E	F	G
7.62	1.75	1.27
H		
2.54		

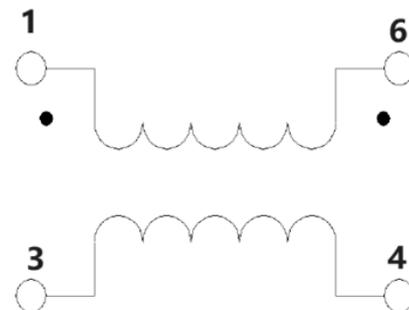
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Impedance Ratio			1:1		
Insertion Loss	50-1000MHz		0.8	1.0	dB
	20-1200MHz		1.1	2.0	dB
Return Loss	20-1200MHz		14.0		dB
Amplitude Balance	50-1000MHz		0.3	0.8	dB
	20-1200MHz		0.5	1.0	dB
Phase UnBalance	50-1000MHz		2	5	°
	20-1200MHz		3	6	°

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	2W
DC Current	30mA
Operating Temperature Range	-20 to 85°C
Storage Temperature Range	-55 to 100°C

TEST CURVE

