

H3-ADTT1-1+ X

0.3-300MHz 50Ω 1:1 Balun

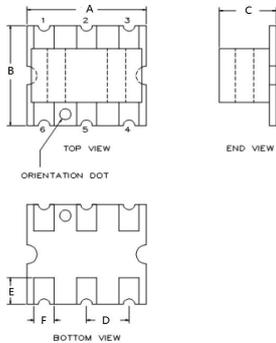
APPLICATIONS

- Ideally suitable for impedance matching & baluns applications.

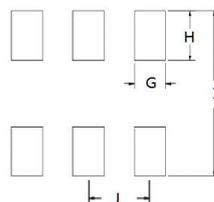
FEATURES

- Surface mount
- Impedance ratio: 1:1
- Excellent performance under DC bias current, also when current flows is imbalanced through outputs
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS



Land Pattern



A	B	C
7.11	6.35	2.85Max
D	E	F
2.54	1.70	1.20

G	H	I
1.30	2.15	6.71
J		
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			50/25/25		Ohm
Impedance Ratio			1:1		
Insertion Loss	0.3-300MHz		1.3	3.0	dB
	0.4-200MHz		0.8	2.0	dB
	0.5-90MHz		0.5	1.0	dB
Amplitude Unbalance	0.3-300MHz			2.0	dB
	0.4-200MHz			1.0	dB
Phase Unbalance	0.3-300MHz			2.0	°
	0.4-200MHz			1.0	°

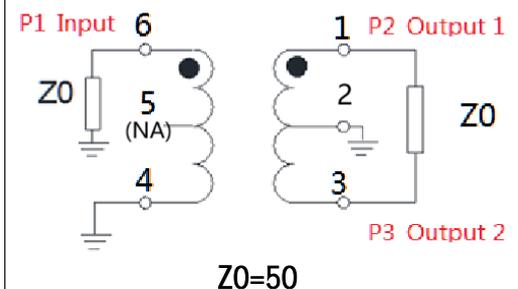
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Primary
2	Primary CT
3	Primary Dot
4	Secondary Dot
5	Secondary CT
6	Secondary

APPLICATION & TEST CIRCUIT

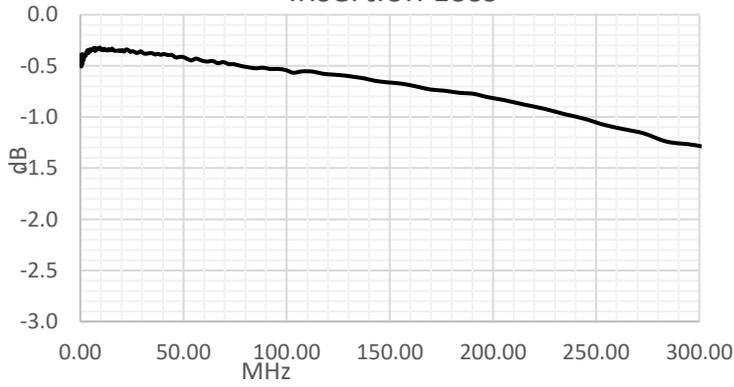


ABSOLUTE MAXIMUM RATINGS

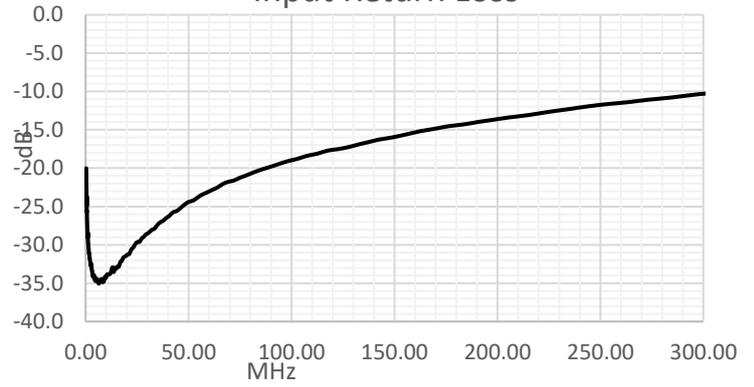
Parameter	Value
Input RF Power	0.5W Max
DC Current	30mA Max
Operating Temperature Range	-20 to 85°C
Storage Temperature Range	-55 to 100°C

TEST CURVE

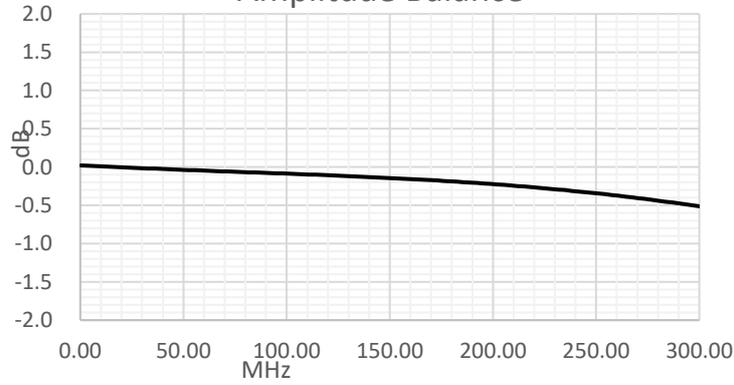
Insertion Loss



Input Return Loss



Amplitude Balance



Phase Balance

