

H3-TC1-1-43X

500-4500MHz 50Ω 1:1 Balun

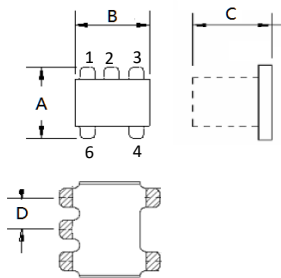
APPLICATIONS

- balanced to unbalanced transformation
- push-pull amplifiers
- PCS/DCS,MMDS

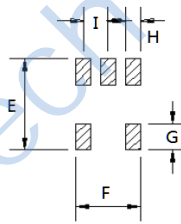
FEATURES

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

DIMENSIONS



Land Pattern



A	B	C
3.81	3.81	4.00 Max
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

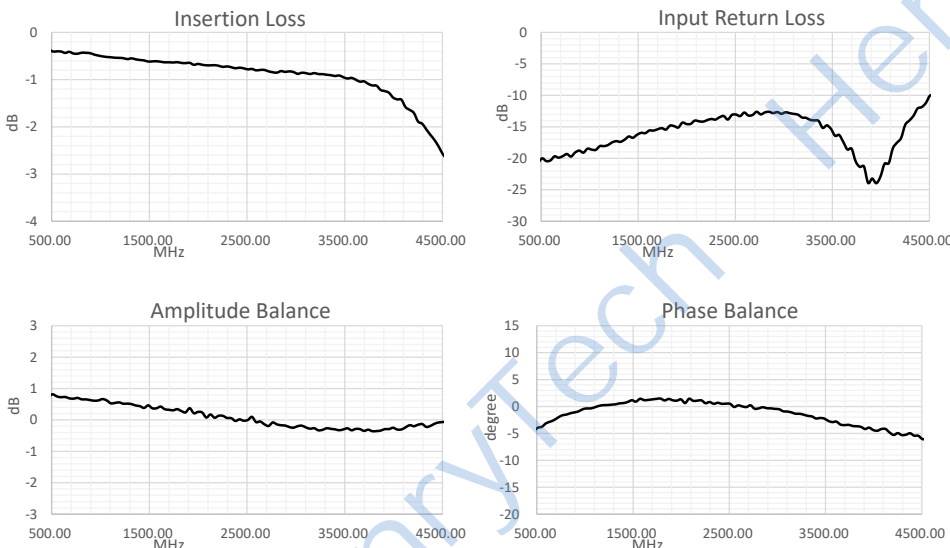
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

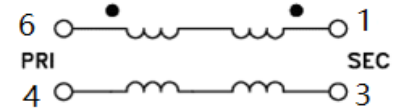
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50 /25 25		Ohm
Insertion Loss	500-4500MHz		2.0	3.0	dB
	800-3000MHz		1.0	2.0	dB
Amplitude Balance	500-4500MHz		0.5		dB
Phase Balance	500-4500MHz		8.0		Deg

TEST CURVE



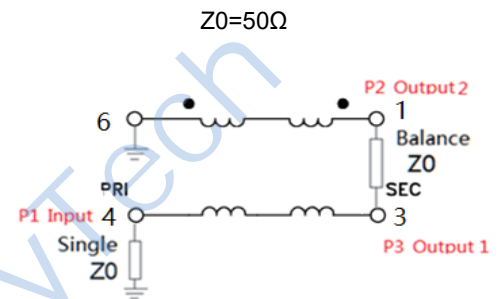
FUNCTIONAL SCHEMATIC



Pin Configuration

Pin No.	Function
1	Secondary Dot
2	Not Used
3	Secondary
4	Primary
6	Primary Dot

APPLICATION & TEST CIRCUIT



RF ports: P1/P2/P3

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

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