

## H3-300-50-1-CT

0.3-300MHz 50Ω 1:1Ratio Balun

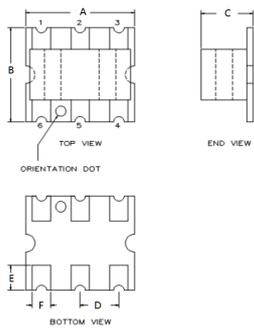
### APPLICATIONS

- impedance matching & Balun.

### FEATURES

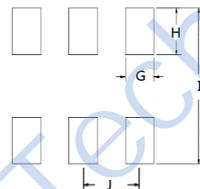
- Surface mount
- Impedance ratio: 1:1
- Excellent performance under DC bias current, also when current flows is imbalanced through outputs
- RoHS compliant and Pb free
- Available on tape and reel

### DIMENSIONS



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

### Land Pattern



G	H	I
1.30	2.15	6.71
J		
2.54		

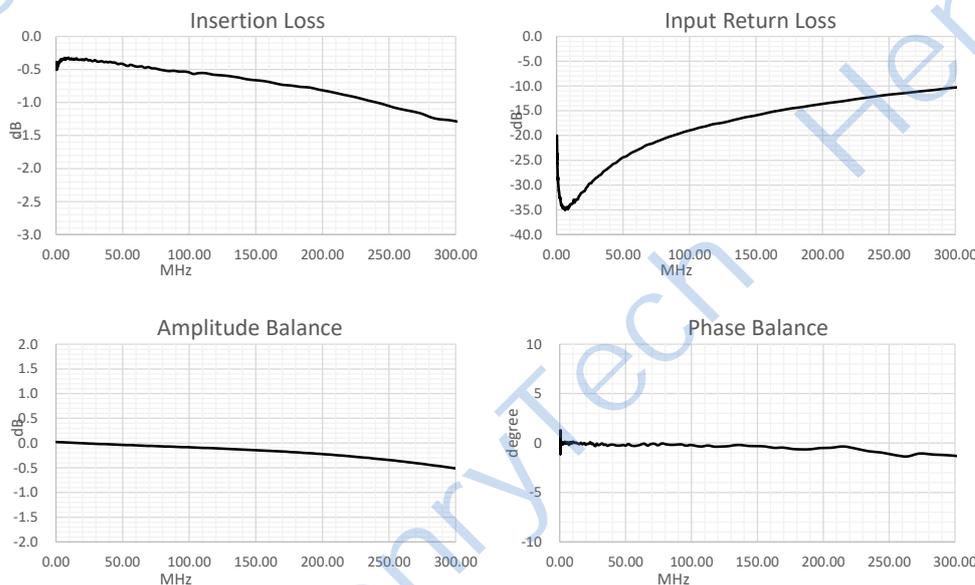
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/25/25		Ohm
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

### TEST CURVE



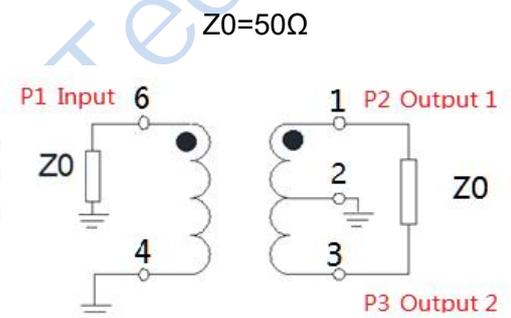
### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	Secondary Dot (output1)
2	Center tap (ground)
3	Secondary (output2)
4	Primary (ground)
5	Not used(ground)
6	Primary Dot (input)

### APPLICATION & TEST CIRCUIT



### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	0.5W Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature Range	-55 to 100°C

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