

## H3-0.1-1000-417

0.1-1000MHz 50Ω 1:2 Ratio Balun

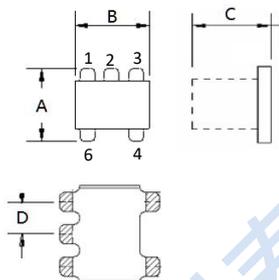
### APPLICATIONS

- Ideally suitable for CATV broadband applications.

### FEATURES

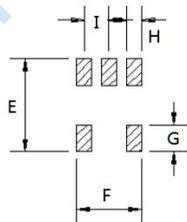
- Surface mount
- Impedance ratio: 1:2
- Centre tap on secondary
- RoHS compliant and Pb free
- Available on tape and reel

### DIMENSIONS



A	B	C
3.81	3.81	2.90
D		
1.27		

### Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

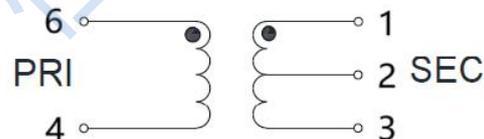
Unless otherwise stated dimensions are in mm

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)			50/50/ 50		Ohm
Insertion Loss	1-200MHz		0.5	1.0	dB
	0.6-400MHz		0.7	2.0	dB
	0.1-1000MHz		2.7	3.0	dB
Return Loss	1-200MHz	15.0	18.0		dB
	0.6-400MHz	8.0	12.0		
	0.1-1000MHz	5.0	7.0		dB
Phase Balance (ref value 180°)	1-400MHz		4	±7	°
	0.1-1000MHz		6	±15	°

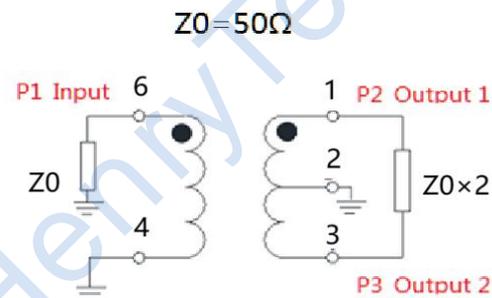
### FUNCTIONAL SCHEMATIC



### Pin Configuration

Pin No.	Function
1	Secondary Dot
2	Secondary Centre Tap
3	Secondary
4	Primary
6	Primary Dot

### APPLICATION & TEST CIRCUIT

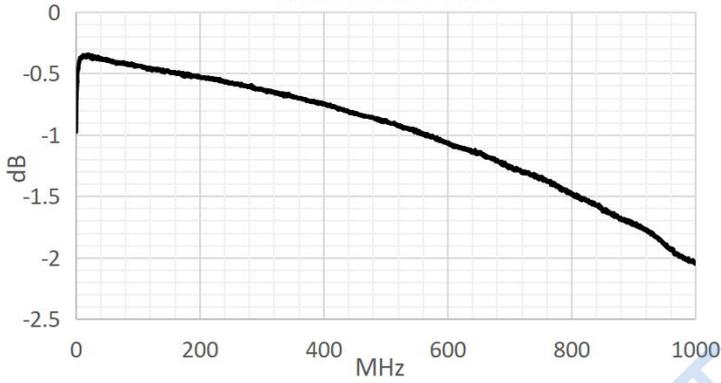


### ABSOLUTE MAXIMUM RATINGS

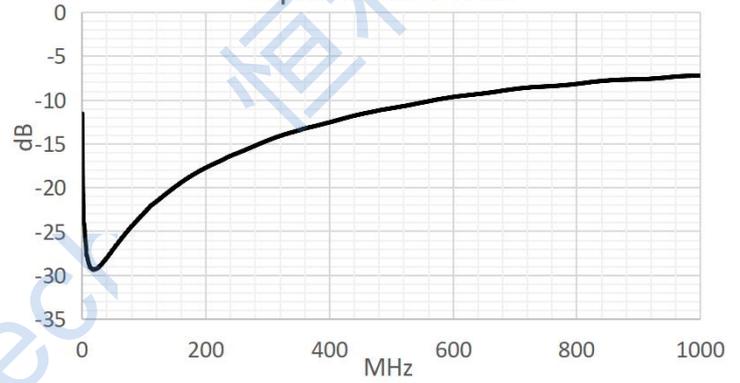
Parameter	Value
RF Power	250mW
DC Current	240mA
Operating Temperature Range	-40 to 85°C

## TEST CURVE

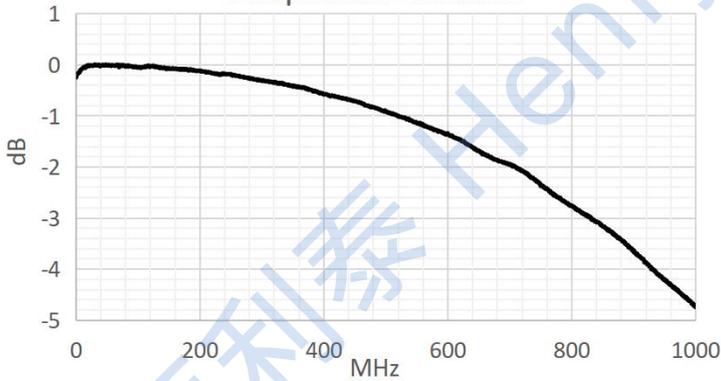
### Insertion Loss



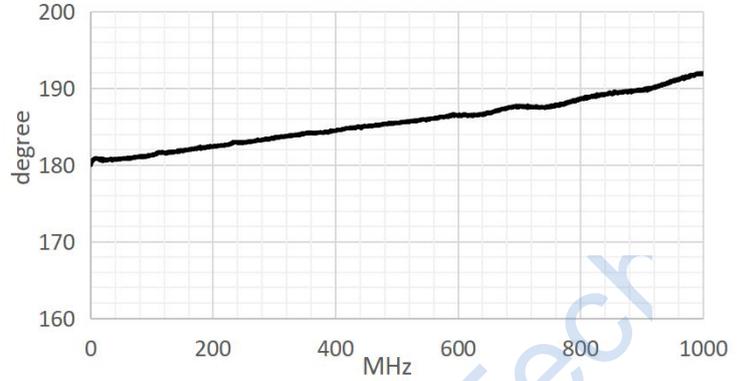
### Input Return Loss



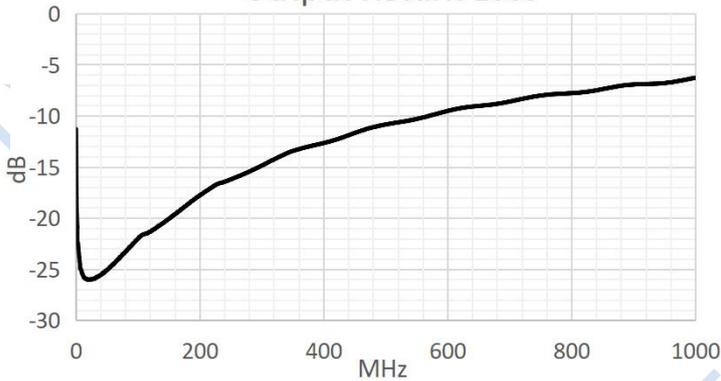
### Amplitude Balance



### Phase Balance



### Output Return Loss



### CMRR

