

H3-B75-0.5-5-100M

5-100MHz 75Ω 1:2 Balun

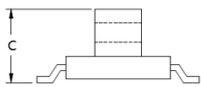
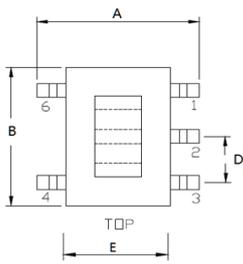
APPLICATIONS

Ideally suitable for CATV broadband applications.

FEATURES

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

DIMENSIONS



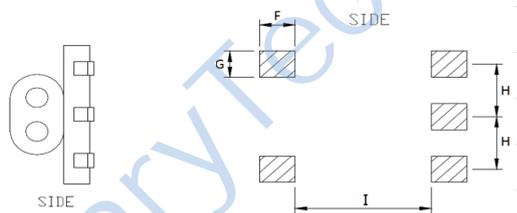
END

A	B	C
6.30	6.00	4.40Max
D	E	
2.00	4.00	

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



F	G	H
1.20	1.00	2.00
I		
4.60		

FUNCTIONAL SCHEMATIC

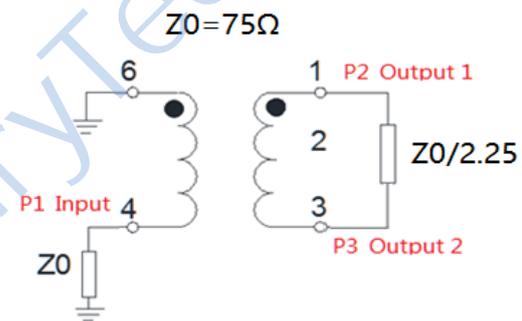


Turns: Pin1-2 = 2T
Pin2-3 = 2T
Pin6-4 = 6T

PIN CONFIGURATION

Pin No.	Function
1	Secondary Dot (output1)
2	Center tap (ground)
3	Secondary (output2)
4	Primary (ground)
6	Primary Dot (input)

APPLICATION & TEST CIRCUIT



ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			75/ 16.667/ 16.667		Ohm
Insertion Loss	5-100MHZ		1.2	2.0	dB
Return Loss	5-100MHZ	7.0	9.0		dB
Amplitude Balance	5-100MHZ		0.2	0.7	dB
Phase Balance(ref value 180°)	5-100MHZ		2.6	8	Degree
CMRR	5-100MHZ	20	32		dB

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	500mW
DC Current	250mA
Operating Temperature Range	-40 to125°C

TEST CURVE

