



H3-TC1-33-75G2+

5-3000MHz 75Ω 1:1 Ratio Balun

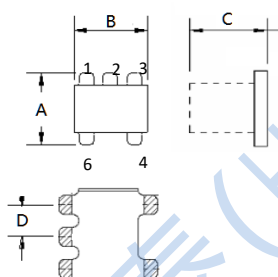
• APPLICATIONS

- Ideally suited for balanced to unbalanced transformation/push-pull amplifiers/PCS/DCS/cable TV/cellular.

• FEATURES

- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible

DIMENSIONS

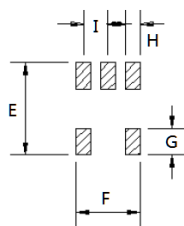


A	B	C
3.81	3.81	2.65
D		
1.27		

Unless otherwise stated dimensions are in mm

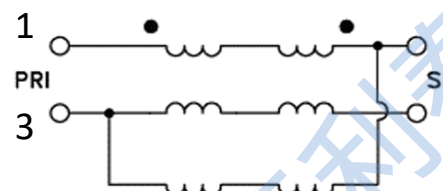
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

FUNCTIONAL SCHEMATIC



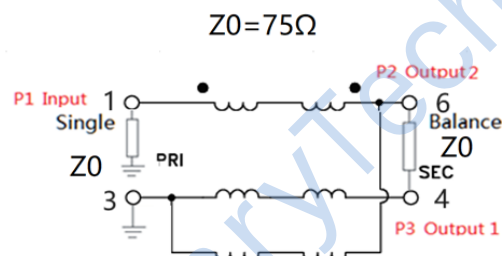
PIN CONFIGURATION

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

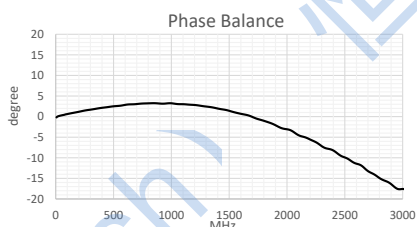
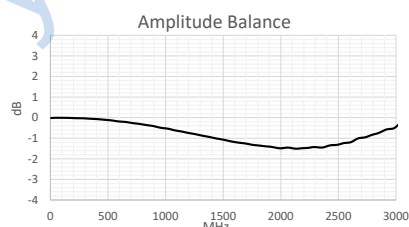
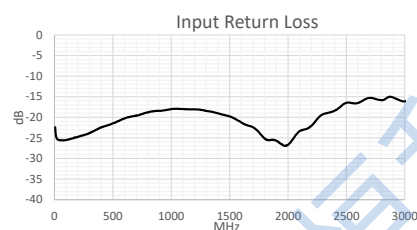
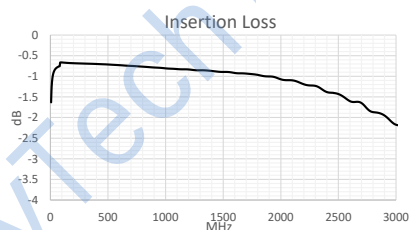
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Impedance Ratio (secondary/primary)			1		
Insertion Loss	5-1200MHz		1.0	2.0	dB
	1200-2000MHz		2.0	3.0	dB
	2000-3000MHz		2.3	4.0	dB
Return Loss	5-3000MHz		15.0		dB
Amplitude Balance	5-1200MHz		0.7	1.3	dB
	1200-2000MHz		1.5	2.0	dB
Phase UnBalance	5-1200MHz		3.0	6	Deg
	1200-2000MHz		4.0	8	Deg

APPLICATION & TEST CIRCUIT



TEST CURVE



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