

H3-TC1. 33-282+

5-2800MHz 75Ω 3:4 Balun

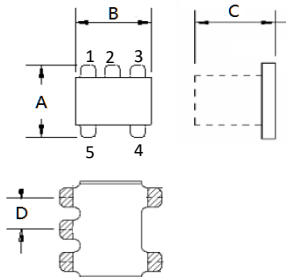
APPLICATIONS

• Ideally suited for high volume cellular and wireless applications.

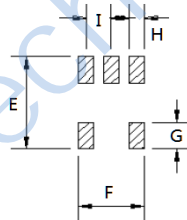
FEATURES

- Surface mount
- Impedance ratio: 3:4
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible
- CT on Secondary

DIMENSIONS



Land Pattern



A	B	C
3.81	3.81	2.75
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

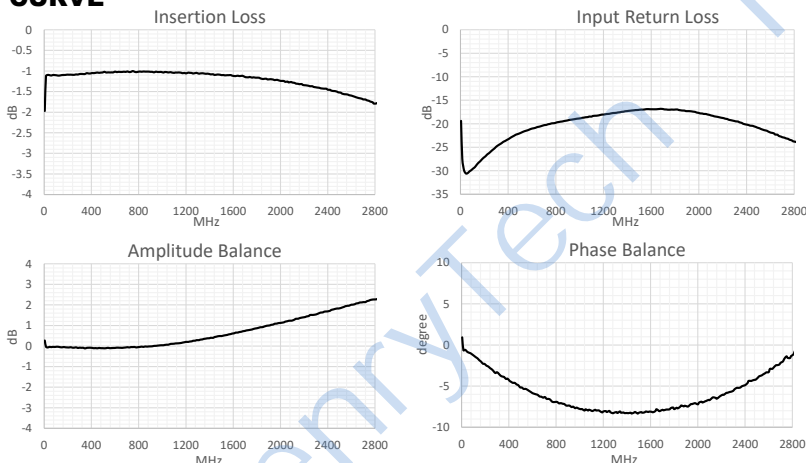
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

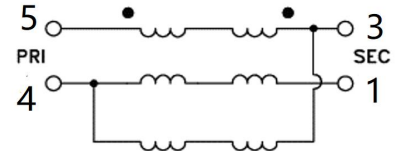
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z ₀ (P1 / P2 / P3)			75/50/50		Ohm
Insertion Loss	5-2800MHz		2.1	3.5	dB
	30-2000MHz		1.5	2.5	dB
	50-1500MHz		1.1	1.5	dB
Return Loss	5-2800MHz	10.0	18.0		dB
Amplitude Balance	5-2800MHz		2.5	3.2	dB
	30-2000MHz		1.1	1.7	dB
Phase UnBalance	5-2800MHz		8.0	12	Deg

TEST CURVE



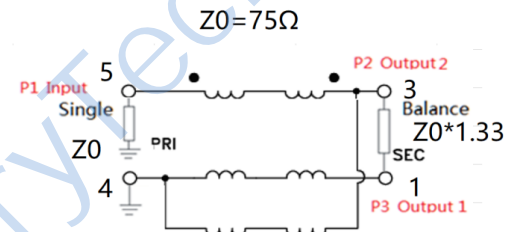
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW MAX
DC Current	30mA MAX
Operating Temperature Range	-40 to 85°C

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Web: www.hltchips.com

Adress: No.198 Tianqin East Street, Gaoxin West District, Chengdu City

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[B39242B4360P810](#) [B39781B8005P810](#)