



H3-RFXF5743

5-1200MHz 75Ω 1:3 Balun

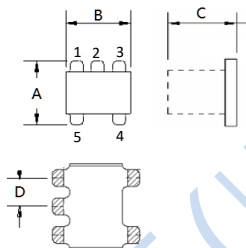
APPLICATIONS

- Ideally suited for high volume cellular and wireless applications.

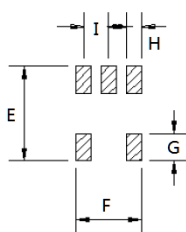
FEATURES

- Surface mount
- Impedance ratio: 1:3
- 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	2.90 Max
D		
1.27		

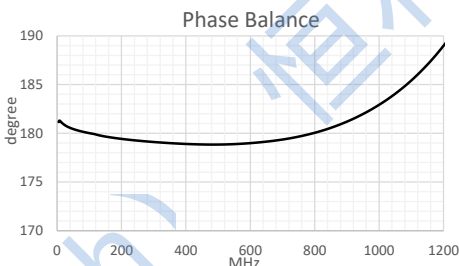
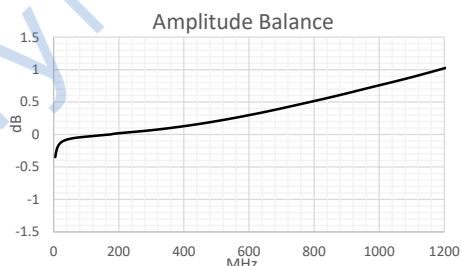
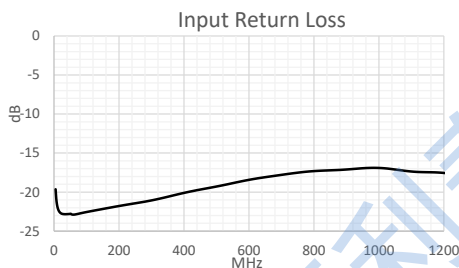
E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

Unless otherwise stated dimensions are in mm Tolerance: .xx ±0.25, .xxx ±0.05

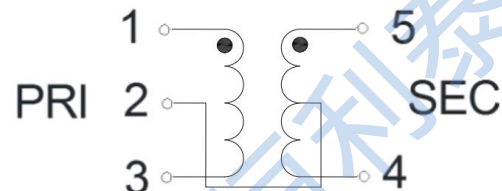
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1)			75		Ohm
Insertion Loss	5-300MHz		0.8	1.0	dB
	300-1200MHz		1.7	2.0	dB
Return Loss	5-300MHz	15.0	18.0		dB
	300-1200MHz	12.0	16.0		dB
Amplitude Balance	5-500MHz		0.3	±0.5	dB
	500-1200MHz		1.0	±1.5	dB
Phase Balance (Nominal 180°)	5-500MHz		1.0	±2.0	Deg
	500-1200MHz		8.0	±15	Deg

TEST CURVE



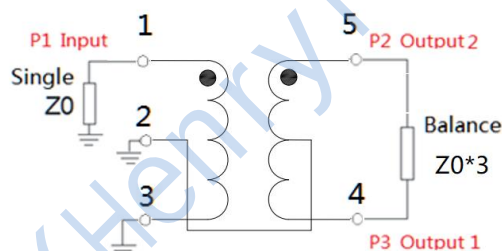
FUNCTIONAL SCHEMATIC



Pin Configuration

Pin No.	Function
1	Primary Dot
2	Secondary CT
3	Primary
4	Secondary
5	Secondary Dot

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	2W MAX
Operating Temperature Range	-45 to 85°C
Storage Temperature	-55 to 100°C

Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Address: Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuxi Road, Jinniu District, Chengdu City