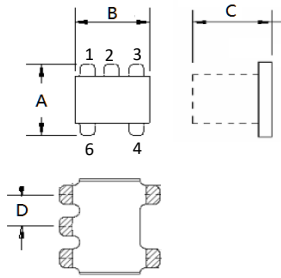


H3-ETC4-1-2TR

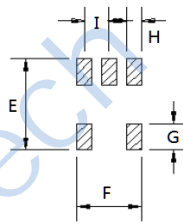
2-800MHz 50Ω 1:4 Balun

- APPLICATIONS
- Ideally suited for high volume cellular and wireless applications. FEATURES
- Surface mount
- Impedance ratio: 1:4
- 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	2.90 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

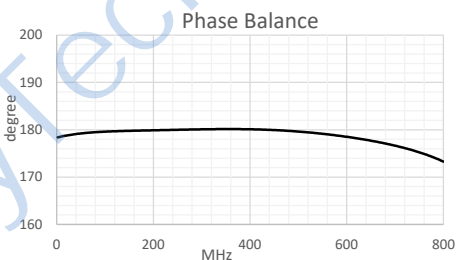
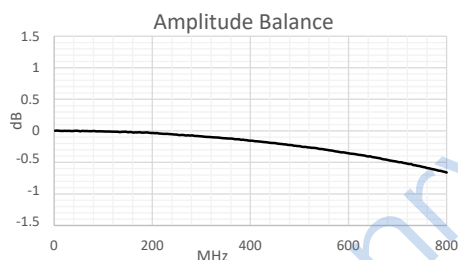
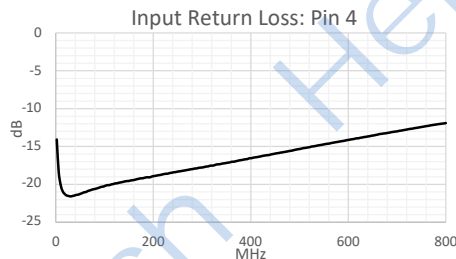
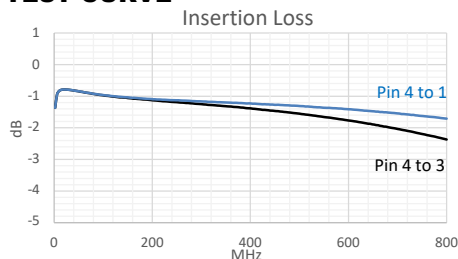
Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

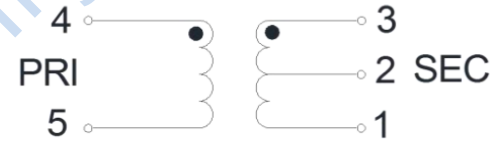
Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/100/100		Ohm
Insertion Loss	10-100MHz		0.8	1.0	dB
	5-600MHz		1.2	2.0	dB
	2-800MHz		2.3	3.0	dB
Amplitude Balance	10-100MHz		0.05	0.25	dB
	2-800MHz		0.6	1.0	dB
Phase Balance (Nominal 180°)	10-500MHz		1.3	2	Deg
	2-800MHz		6.4	10	Deg

External DC blocking capacitors are required on all RF ports (39 pF capacitors are recommended).

TEST CURVE



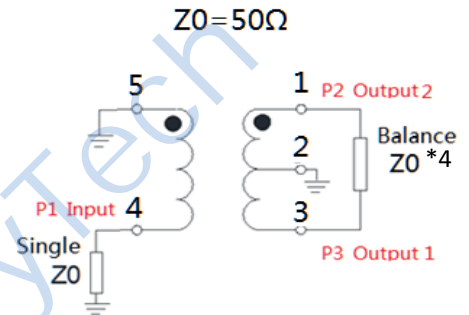
FUNCTIONAL SCHEMATIC



Pin Configuration

Pin No.	Function
1	Secondary Dot
2	Secondary CT
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	-55 to 85°C

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[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)
[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)
[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)
[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)
[CHE1260-QAG](#) [11305-10](#) [5962-9091202MXA](#) [3A412S](#) [X3C06A4-03S](#) [B39000Z3410A4](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#)
[B39242B4360P810](#) [B39781B8005P810](#)