

H3-ETC16-1T-2TR

5-40MHz 50Ω 1:16 Balun

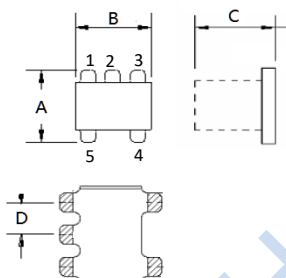
APPLICATIONS

- Ideally suited for high volume cellular and wireless application.

FEATURES

- Surface mount
- Impedance ratio: 1:16
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible
- CT on Secondary

DIMENSIONS

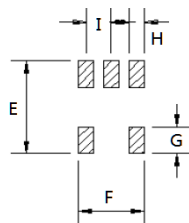


A	B	C
3.81	3.81	3.80MAX
D		
1.27		

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	

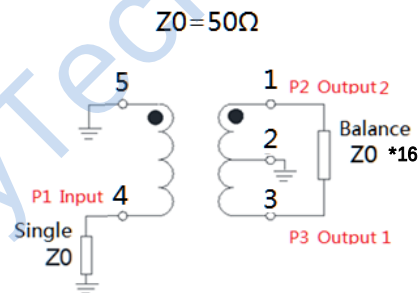
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT



ELECTRICAL SPECIFICATIONS@25°C:

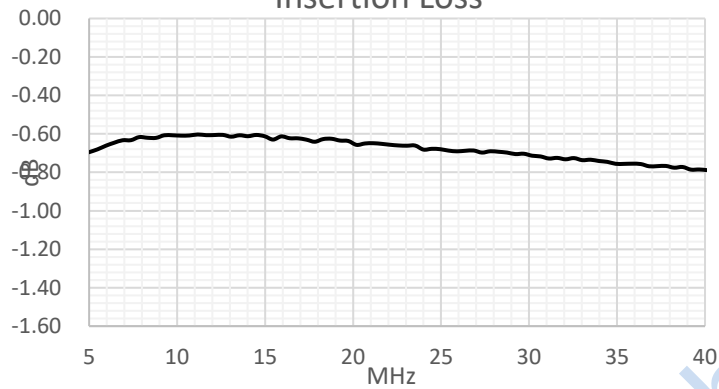
Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0 (P1 / P2 / P3)			50/400/400		Ohm
Insertion Loss	5-40MHz		0.8	3.0	dB
	22MHz		0.6	2.0	dB
Amplitude Imbalance	5-40MHz		0.05	0.3	dB
Phase Imbalance	5-40MHz		1	3	Deg

ABSOLUTE MAXIMUM RATINGS

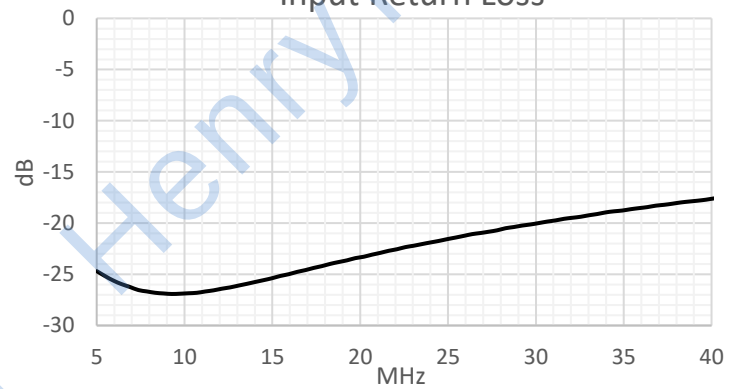
Parameter	Value
Input Power	250mW MAX
DC Current	240mA MAX
Operating Temperature Range	-40 to 85°C

TEST CURVE

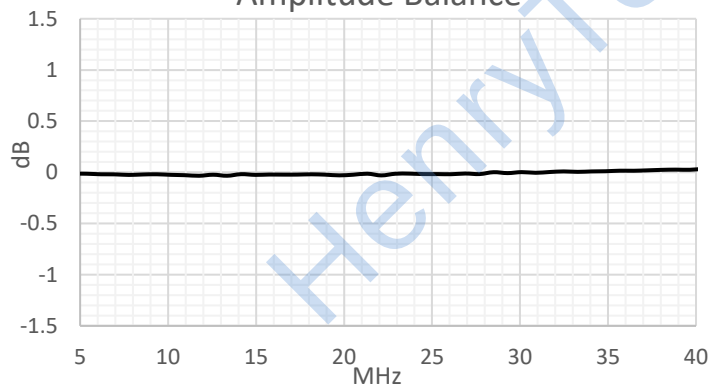
Insertion Loss



Input Return Loss



Amplitude Balance



Phase Balance

