

H3-TC1-1T-152X+ 5-1500MHz 50Ω 1:1 Balun

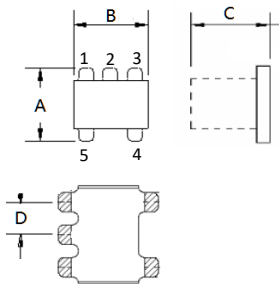
• APPLICATIONS

• Ideally suited for VHF/UHF, cellular, GPS and communication.

• FEATURES

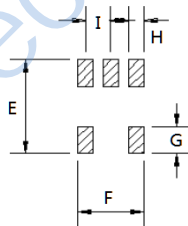
- Surface mount
- Impedance ratio: 1:1
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible
- CT on Secondary

DIMENSIONS



A	B	C
3.81	3.81	2.90
D		
1.27		

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

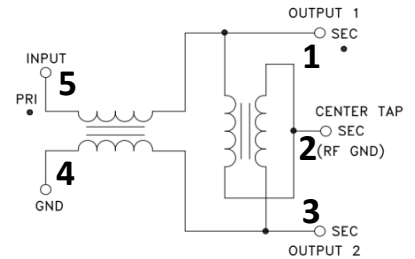
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss	5-870MHz		0.8	1.6	dB
	870-1000MHz		1.4	1.7	dB
	1000-1500MHz		1.7	2.5	dB
Return Loss	5-870MHz	12.0	15.0		dB
	870-1000MHz	10.0	13.0		dB
Amplitude Balance	5-870MHz		0.1	0.7	dB
	870-1000MHz		0.2	0.9	dB
	1000-1500MHz		0.5	1.8	dB
Phase Balance	5-870MHz		2.0	6.0	Deg
	870-1000MHz		2.0	8.0	Deg
	1000-1500MHz		2.0	10	Deg
Common mode rejection	5-1000MHz	22.0	33.0		dB
	1000-1500MHz	20.0	29.0		dB

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

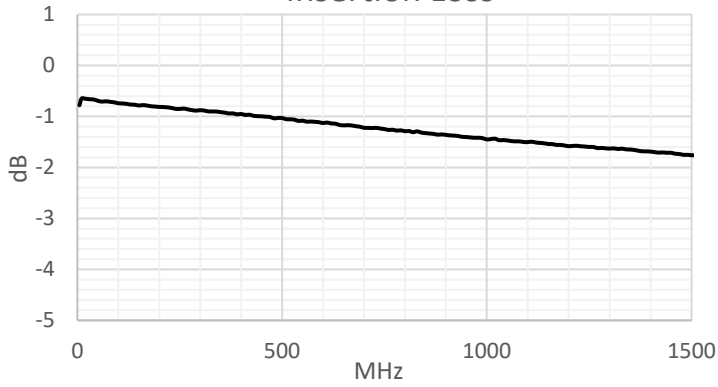
Pin No.	Function
1	Secondary Dot
2	Secondary CT
3	Secondary
4	Primary
5	Primary Dot

ABSOLUTE MAXIMUM RATINGS

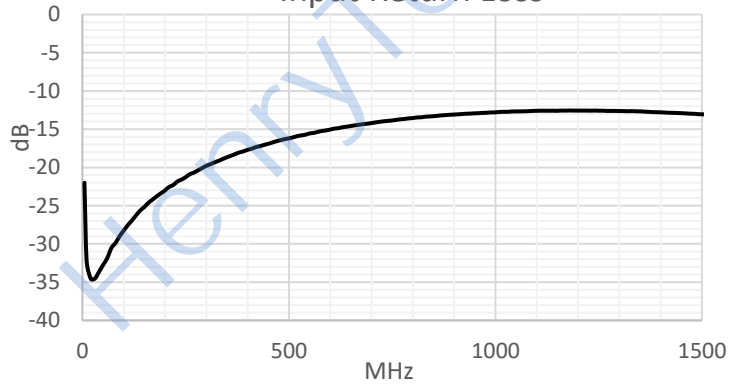
Parameter	Value
RF Power	0.5W MAX
DC Current	200mA MAX
Operating Temperature Range	-45 to 85°C
Storage Temperature	-55 to 100°C

## TEST CURVE

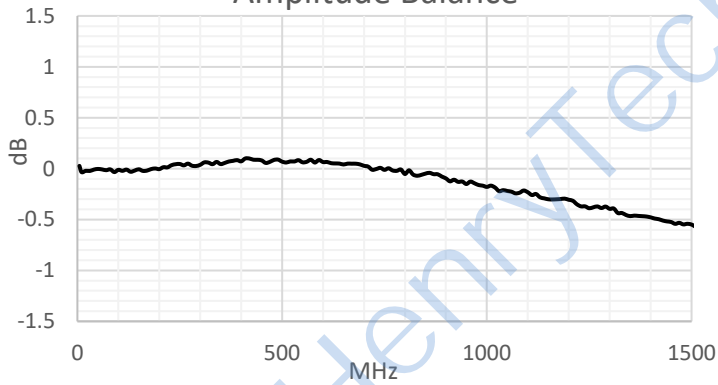
### Insertion Loss



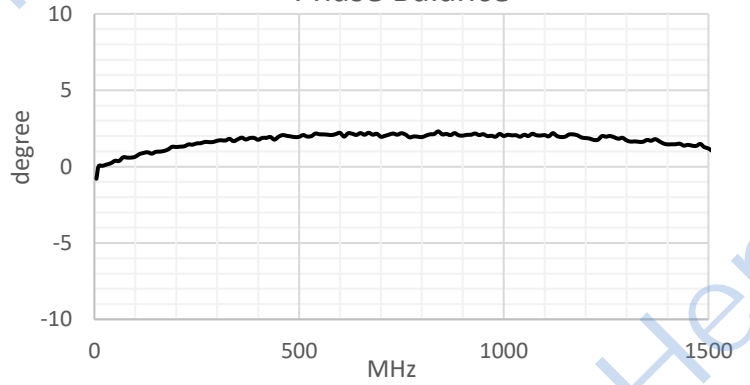
### Input Return Loss



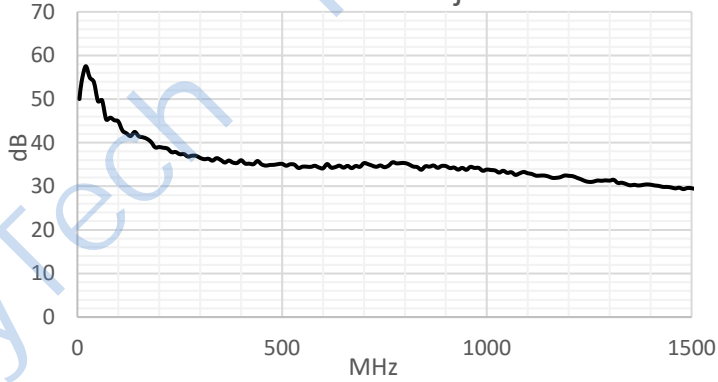
### Amplitude Balance



### Phase Balance



### Common mode rejection



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Signal Conditioning](#) category:*

*Click to view products by [HenryTech](#) manufacturer:*

Other Similar products are found below :

[PD0409J5050S2HF](#) [HHS-109-PIN](#) [AFS14A35-1591.50-T3](#) [JP510S](#) [LFB322G45SN1A504](#) [SF2159E](#) [FM-104-PIN](#) [CER0813B](#)  
[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](#)