

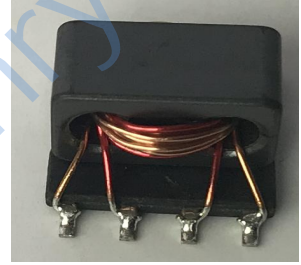
## Features

- wideband, 2 to 100 MHz
- balanced transmission line
- good return loss

## Applications

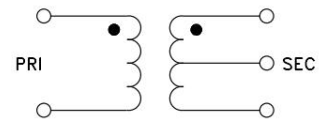
- balanced to unbalanced transformation
- balanced antennas
- push-pull amplifiers

## HT-T1-1T+



50Ω 2 to 100 MHz

### Config. A



## Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	2-100	100	-	-

\* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.07	0.18	5.10
0.20	0.18	12.00
1.00	0.19	18.12
18.00	0.24	20.44
38.00	0.46	17.69
60.00	0.68	14.99
85.00	0.90	12.62
100.00	0.90	10.17
170.00	0.95	7.77
200.00	0.95	6.72

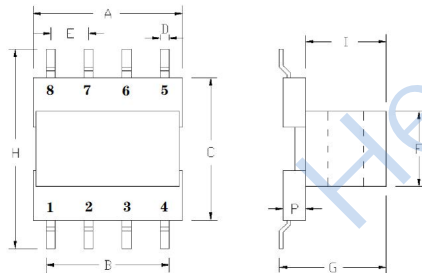
## Maximum Ratings

Operating Temperature -20°C to 85°C

Storage Temperature -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

## Outline Drawing



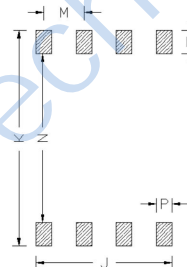
## Outline Dimensions ( mm) ±0.15

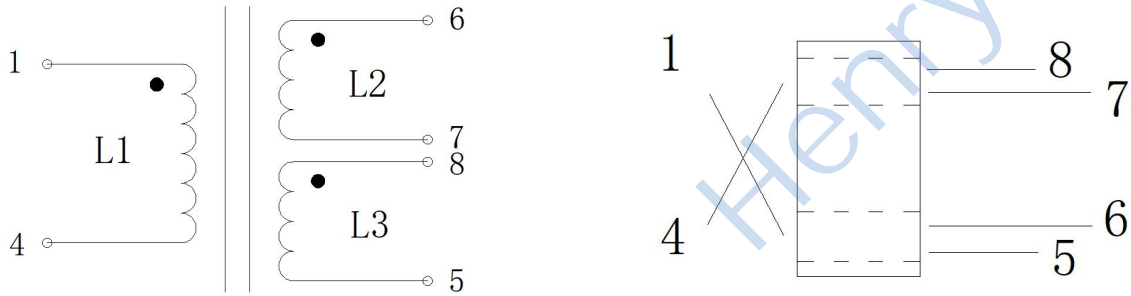
A	9.7	N	10.7
B	8.22	M	2.54
C	9.4	P	1.0
D	0.61		
E	2.54		
F	5.0		
G	7.0		
H	12.6		
J	8.62		
K	13.7		
L	1.50		
WT	2		

## Pin Connections

PRIMARY	1
SECONDARY CT	5
PRIMARY DOT	4
SECONDARY	8
SECONDARY DOT	6,7
NOT USED	2,3

## PCB Land Pattern



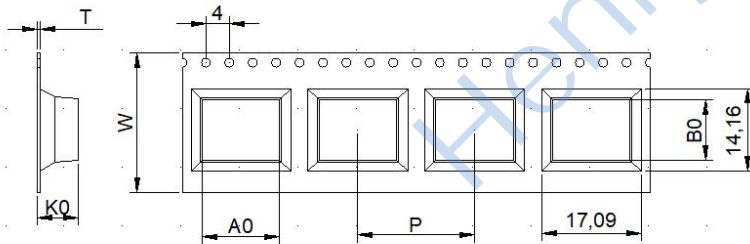


### Electrical characteristics(Temp=25°C)

Property	Test Conditions	Typ	Units	Tolerance
Inductance L1	10KHz / 0.3V	33	uH	±30%
Inductance L2	10KHz / 0.3V	33	uH	±30%
Inductance L3	10KHz / 0.3V	11	uH	±30%
DCR L1	-	30	mΩ	Max
DCR L2	-	20	mΩ	Max
DCR L3	-	30	mΩ	Max
Tums Ratio L1:L2:L3	-	5:3:5		

Notes:

### Packging Dimension For Caeier Tape(Unit:mm)



ITEM	W	A0	B0	K0	K1	P	F	E	D	P0	P2	T	13寸	
DIM	24.0	13.25	10.3	7.0	0.0	20.	0.0	1.75	1.50	4.00	2.00	0.4	长度/盘	元件/盘
TOLE	+0.30 -0.30	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.10	+0.10 -0.00	+0.10 -0.10	+0.15 -0.15	+0.05 -0.05	8.6M	400pcs