

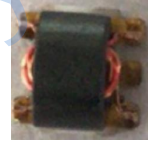
## Features

- wideband, 10 to 700 MHz
- good return loss
- excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 1.3 deg typ. in 1 dB bandwidth
- plastic base with leads
- aqueous washable

## Applications

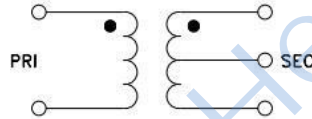
- impedance matching
- balanced to unbalanced transformation
- push-pull amplifiers

## HT-TC2-72T+



50Ω 10 to 700 MHz

Config. A



### Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

### Pin Connections

PRIMARY DOT	4
PRIMARY	5
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2

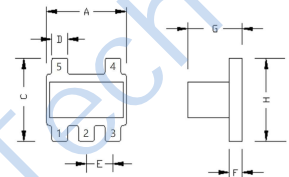
Transformer Electrical Specifications					
Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio			2		Ohm
Frequency Range		10	-	700	MHz
Insertion Loss*	10-400	-	0.4	1.3	dB
	400-700		0.9	1.8	
Amplitude Unbalance	10-400	-	0.5	0.8	dB
	400-700		1.3	2.0	
Phase Unbalance	10-400	-	1.5	7.0	Degree
	400-700		2.25	9.0	

\* Insertion Loss is referenced to mid-band loss, 0.5 dB.

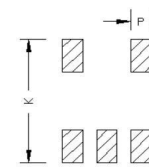
## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10	0.62	24.14	0.00	0.01
50	0.57	25.87	0.01	0.24
100	0.59	24.32	0.03	0.52
200	0.64	20.68	0.11	1.01
300	0.70	18.00	0.26	1.53
400	0.77	16.01	0.46	2.4
500	0.85	14.49	0.71	2.49
600	0.96	13.28	1.02	2.88
700	1.09	12.30	1.39	3.17

## Outline Drawing



### PCB Land Pattern



Suggested Layout, Tolerance to be within ±0.02

### Outline Dimensions ( mm )

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	K	4.81
E	1.27	L	1.30
F	0.61	H	3.81
G	2.71	WT	0.16g

