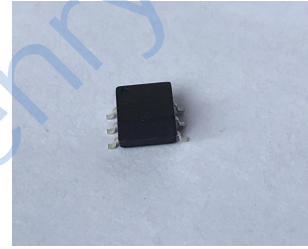


# RF Transformer

## HT-ADT1.5-122+



### Features

- excellent return loss, 19 dB typ. in 1 dB bandwidth
- good amplitude unbalance, .25 dB typ. and phase unbalance, 1.0 deg. typ in 1dB bandwidth
- good insertion loss flatness from 50 MHz to 850 MHz
- aqueous washable

### Applications

- impedance matching
- balanced amplifier
- cable TV

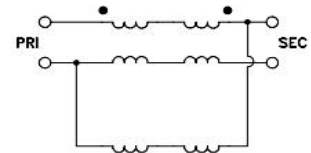
### Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1.5	20-1200	20-1200	5.5	1

\* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

50Ω 20 to 1200 MHz

Config. K



### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
20.00	1.25	19.29	0.01	0.70
40.00	1.17	20.85	0.11	0.53
50.00	1.15	21.10	0.11	0.21
60.00	1.14	21.36	0.07	0.03
100.00	1.11	22.20	0.03	1.13
300.00	1.19	19.59	0.01	1.23
500.00	1.25	19.83	0.21	2.15
850.00	1.37	24.80	0.56	0.69
1000.00	1.51	19.14	0.76	1.45
1200.00	1.95	11.92	0.95	5.56

### Maximum Ratings

Operating Temperature -20°C to 85°C

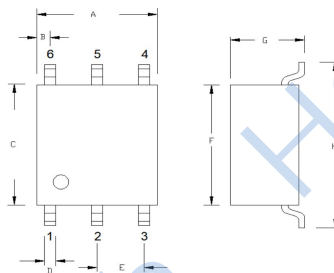
Storage Temperature -55°C to 100°C

RF Power 0.5W

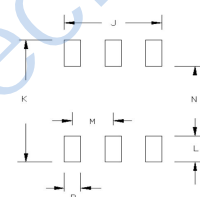
DC Current 30mA

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

### Outline Drawing



### PCB Land Pattern



### Pin Connections

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

### Outline Dimensions ( mm )

A	6.54	N	7.3
B	0.50	M	2.54
C	7.05	P	0.80
D	0.62		
E	2.54		
F	7.05		
G	4.05		
H	9.85		
J	5.88		
K	10.3		
L	1.50		
WT	0.19		