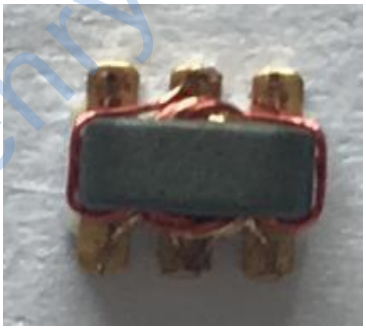
HenryTech

RF Transformer

HT-ADTT1-1+



Features

- good return loss, 18 dB in 1 dB bandwidth
- excellent amplitude unbalance, 0.15 dB typ. and phase unbalance, 1 deg. typ. in 1 dB bandwidth
- aqueous washable

Applications

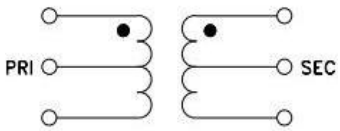
- impedance matching
- baluns

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS* 2.1dB	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	0.3-300	0.3-300	2	0.5

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

Config. B



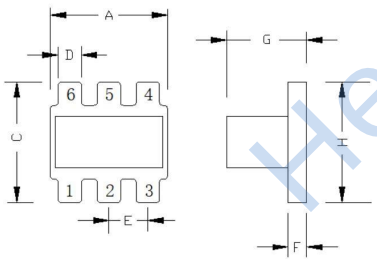
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.30	0.60	18.25	0.16	0.14
0.40	0.55	19.91	0.16	0.14
0.50	0.53	21.02	0.15	0.13
1.00	0.45	23.66	0.17	0.05
10.00	0.27	27.17	0.16	0.16
40.00	0.40	18.56	0.15	0.33
90.00	0.74	12.23	0.10	0.79
150.00	1.42	8.46	0.01	1.35
200.00	1.54	6.59	0.13	1.71
300.00	2.18	6.02	0.47	1.89

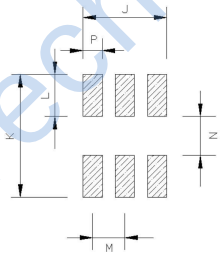
Maximum Ratings

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



Outline Dimensions (mm)

A	3.81	N	1.53
B	-	M	1.27
C	3.81	P	0.76
D	0.76	H	3.81
E	1.27	J	3.3
F	0.61	K	4.83
G	2.61	L	1.65
WT			

Pin Connections

PRIMARY DOT	3
PRIMARY	1
PRIMARY CT	2
SECONDARY DOT	4
SECONDARY	6
SECONDARY CT	5

Tel : +86-28-85589664 E-mail: HLT@henglitaitech.com Web: www.hltchips.com