

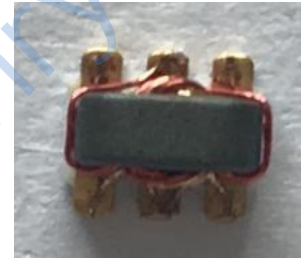
HT-ADTT1-1+

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

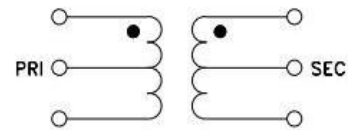
Applications

- impedance matching
- baluns



50Ω 0.3 to 300 MHz

Config. B



Transformer Electrical Specifications

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

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

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

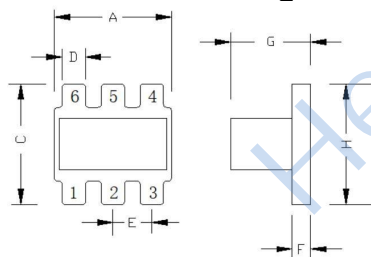
Storage Temperature -55°C to 100°C

RF Power 0.5W

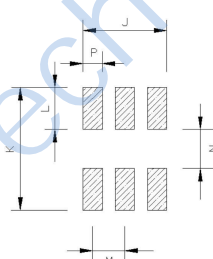
DC Current 30mA

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

Outline Drawing



PCB Land Pattern



Outline Dimensions (mm)

Dimension	Value	Dimension	Value
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