

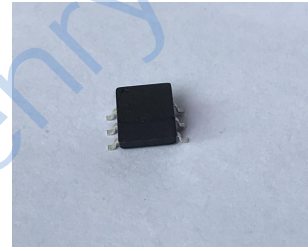
Features

- wideband, 0.5 to 1700 MHz
- autotransformer
- excellent return loss, 20 dB typ. in 1 dB bandwidth
- aqueous washable

Applications

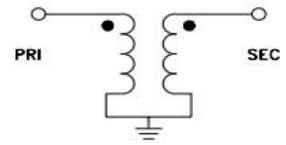
- impedance matching
- GPS
- satellite distributor

HT-ADT1.5-17+



50Ω 0.5 to 1700 MHz

Config. D



Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1.5	0.5-1700	1.5dB	1	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)
0.50	0.65	17.56
1.00	0.55	19.45
2.00	0.43	21.26
51.00	0.35	24.57
100.00	0.38	24.78
766.66	0.58	21.77
1100.00	0.79	15.52
1400.00	1.24	12.50
1550.00	1.29	11.36
1700.00	1.47	10.16

Maximum Ratings

Operating Temperature -20°C to 85°C

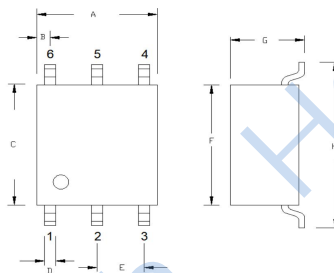
Storage Temperature -55°C to 100°C

RF Power 0.5W

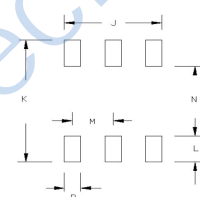
DC Current 30mA

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		