

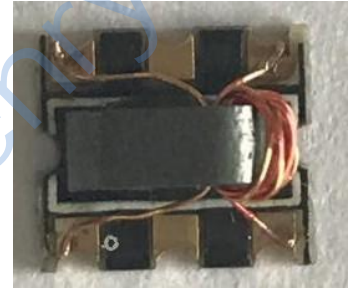
Features

- wideband, 20 to 1200 MHz
- balanced transmission line
- excellent amplitude unbalance, 0.3 dB typ. and phase unbalance, 3 deg. typ. in 1 dB bandwidth
- RF power, 2W
- aqueous washable

Applications

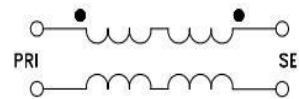
- impedance matching
- balanced amplifier
- baluns
- cellular

HT-ADTL1-12+



50Ω 20 to 1200 MHz

Config. G



Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	20 ~ 1200	1.3dB	3.5	1

* 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.)
20.00	0.28	26.05	0.32	3.48
30.00	0.28	25.08	0.26	2.31
50.00	0.28	23.04	0.28	1.42
100.00	0.37	18.99	0.23	0.30
300.00	0.74	11.63	0.17	0.99
500.00	0.98	9.26	0.04	1.35
700.00	0.92	8.93	0.14	0.79
900.00	0.76	10.00	0.48	0.35
1000.00	0.74	10.10	0.65	0.92
1200.00	1.32	7.49	0.99	2.65

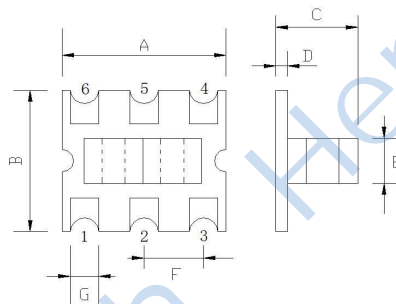
Maximum Ratings

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.

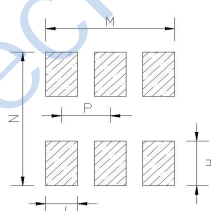
Pin Connections

PRIMARY DOT	1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
NOT USED	2,5

Outline Drawing



PCB Land Pattern



Outline Dimensions (mm)

Dimension	Value	Dimension	Value
A	7.00	N	7.62
B	6.30	M	6.73
C	3.50	P	2.54
D	0.50	H	2.54
E	3.00	J	1.65
F	2.54		
G	1.00		

Note :
that the dimensional tolerance of A,B,C,D is 0.2mm and that of other dimensions is 0.1mm

WT	0.19
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