

Power Splitter/Combiner

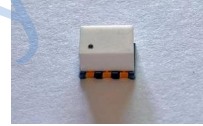
Features

- low insertion loss, 0.7 dB typ.
- excellent insertion loss flatness
- excellent amplitude unbalance.
- good phase unbalance
- aqueous washable

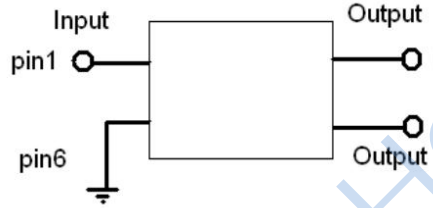
Applications

- instrumentation
- PCS/cellular
- GPS

HT-ADP-2-20+



2 Way-0° 50Ω 20 to 2000 MHz



Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20-2000	15	18	0.5	1.5	2.0	5.0	0.2	0.7

Maximum Ratings

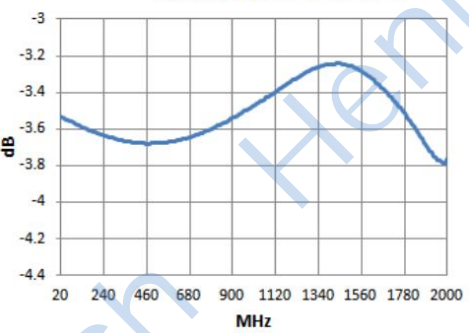
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

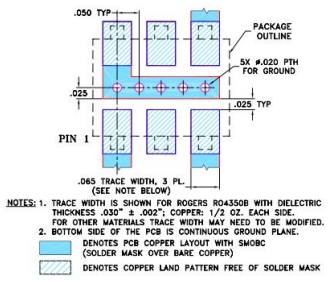
Pin Connections

Input	1
Output1	3
Output2	4
GROUND	6
ground	2,5

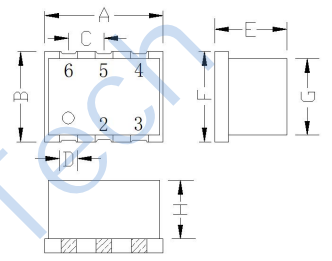
Insertion Loss S-1



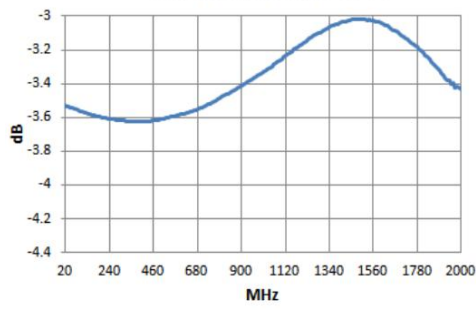
Suggested PCB Layout



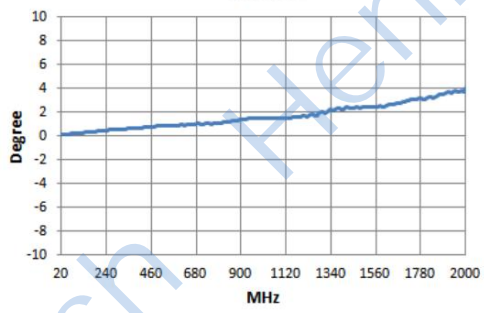
Outline Drawing



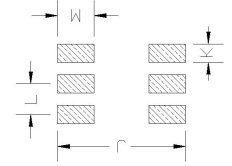
Insertion Loss S-2



Phase



PCB Land Pattern

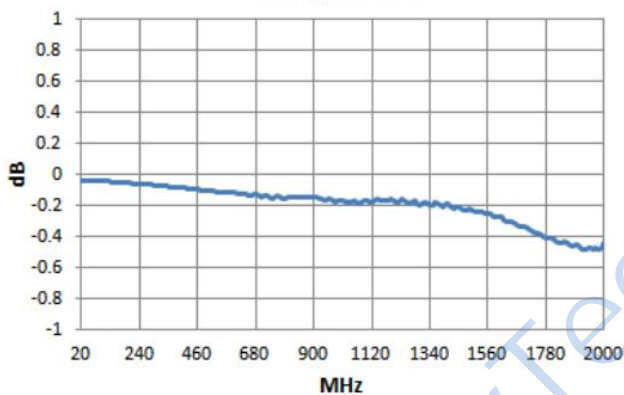


Suggested Layout, Tolerance to be within ±0.2

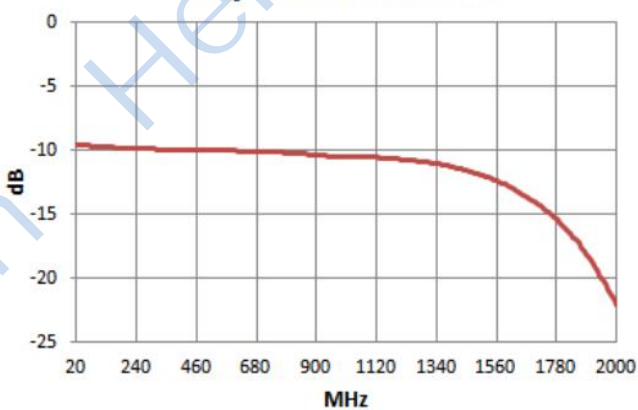
Outline Dimensions: Unit (mm)

A	8.70	J	8.00
B	6.50	K	1.50
C	2.54	G	5.50
D	1.30	H	4.30
E	5.40	L	2.54
F	6.50	M	2.00
WT	0.5g		

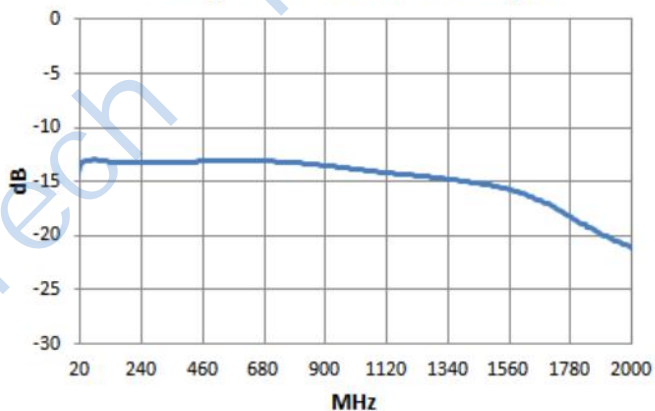
Amplitude



Input Return Loss



Output Return Loss pin3



Output Return Loss pin4

