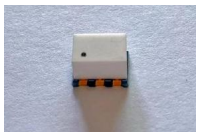
Power Splitter/Combiner

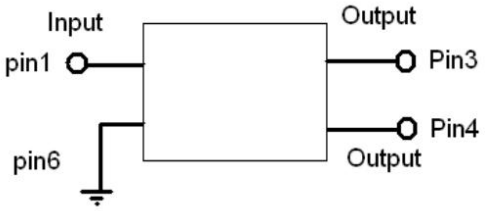
JY-ADP-2-20+



2 Way-0° 50Ω 20 to 2000 MHz

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



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

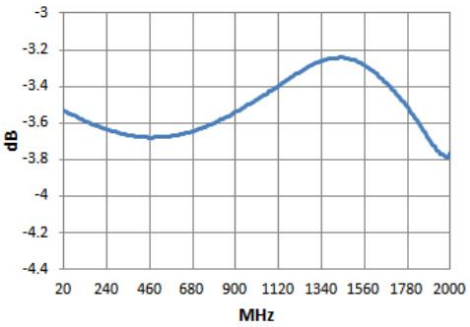
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

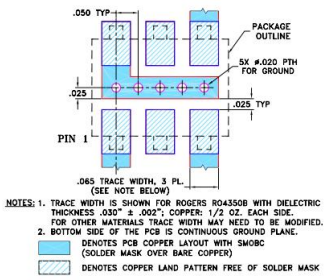
Pin Connections

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

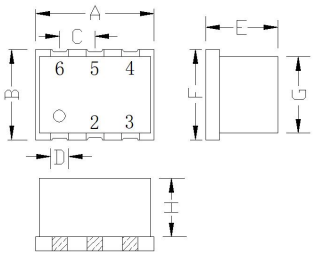
Insertion Loss S-1



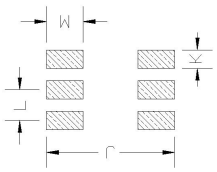
Suggested PCB Layout



Outline Drawing

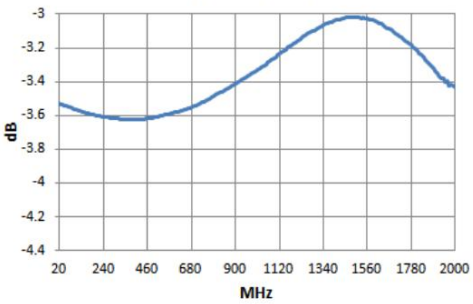


PCB Land Pattern

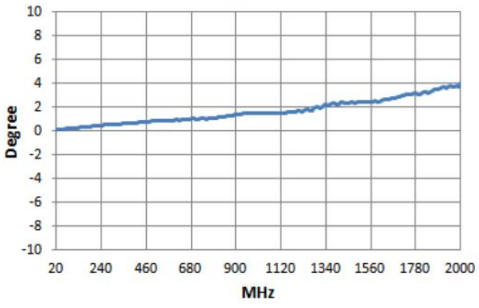


Suggested Layout,
Tolerance to be within ±0.2

Insertion Loss S-2



Phase



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		

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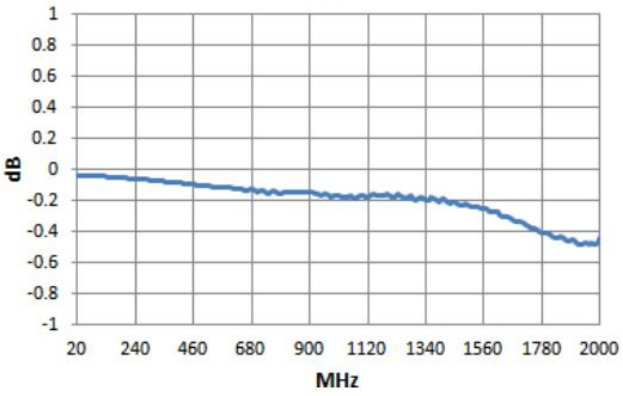
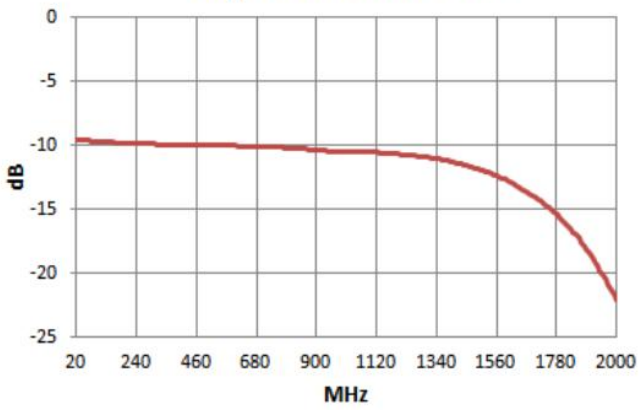
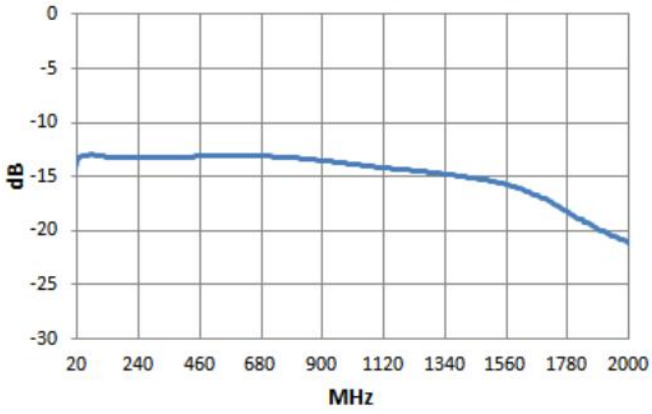
Amplitude



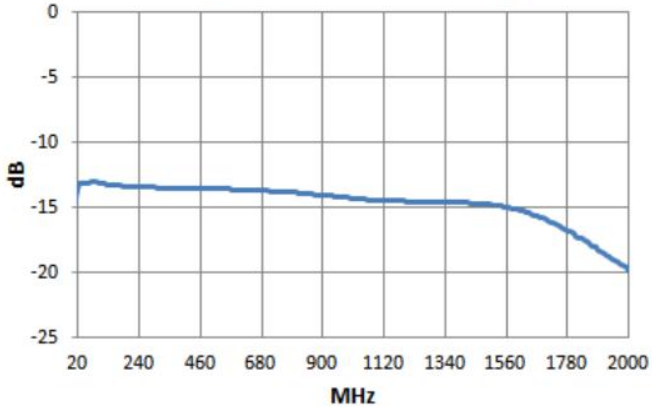
Input Return Loss



Output Return Loss pin3



Output Return Loss pin4



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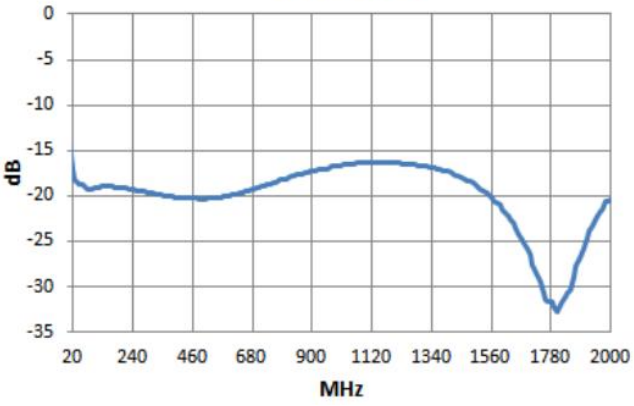
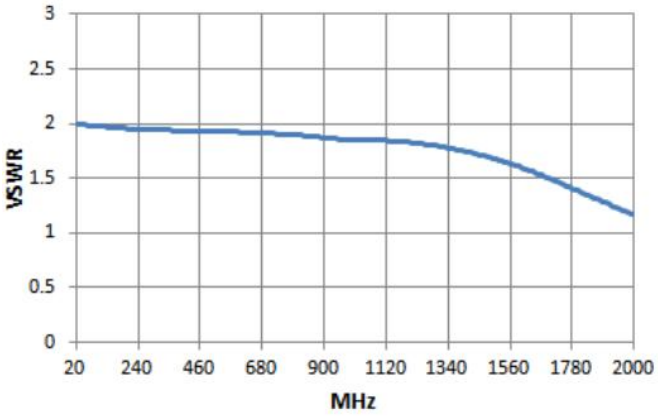
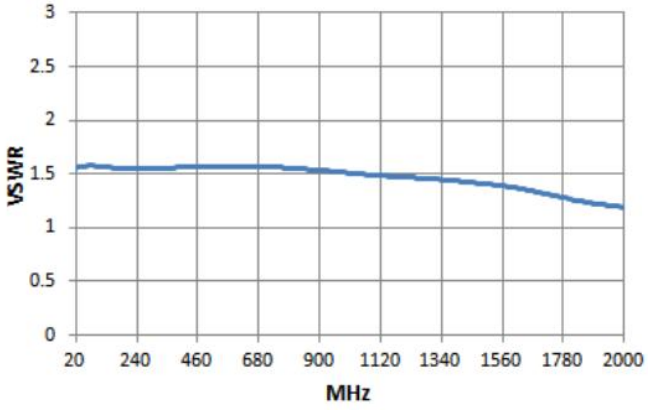
Isoaltion



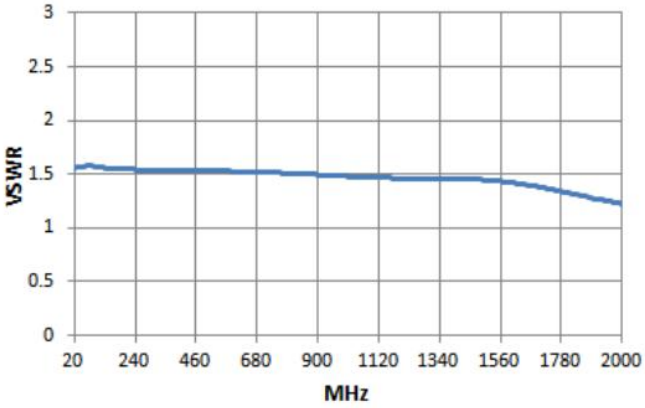
S-VSWR



1-VSWR



2-VSWR



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