



Features

- low insertion loss, 0.3 dB typ.
- excellent amplitude unbalance, 0.10 dB typ.
- very good phase unbalance, 0.5 deg. typ.
- aqueous washable

Applications

- instrumentation
- VHF/UHF

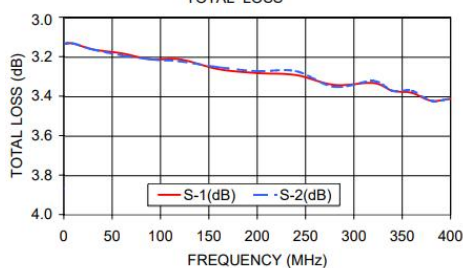
Electrical Specifications

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.
0.5-400	18	25	0.2	1.5	1.0	3.0	0.1	0.3

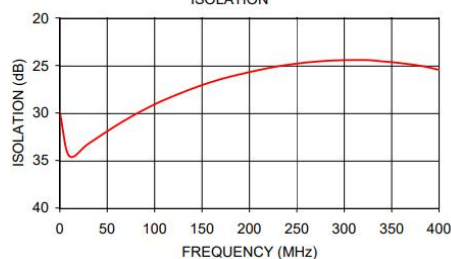
Typical Performance Data(TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Freq. (MHz)	Total Loss (dB)		Amp. Unbal. (dB)	Isolation (dB)	Phase Unbal. (deg.)	VSWRS		
	S-1	S-2				S	1	2
0.5	3.13	3.13	0.00	30.12	0.03	1.06	1.08	1.08
10	3.13	3.13	0.00	34.46	0.05	1.03	1.01	1.01
30	3.16	3.16	0.00	33.18	0.04	1.03	1.01	1.01
60	3.18	3.19	0.01	31.23	0.04	1.04	1.01	1.01
90	3.21	3.21	0.00	29.53	0.11	1.05	1.01	1.01
120	3.21	3.22	0.01	28.15	0.07	1.06	1.02	1.02
160	3.26	3.25	0.01	26.67	0.12	1.08	1.02	1.02
200	3.28	3.27	0.01	25.63	0.08	1.09	1.03	1.03
240	3.29	3.27	0.01	24.87	0.14	1.09	1.04	1.04
280	3.34	3.35	0.00	24.45	0.19	1.09	1.05	1.05
320	3.33	3.32	0.00	24.36	0.26	1.08	1.07	1.07
340	3.37	3.37	0.01	24.50	0.29	1.07	1.08	1.08
360	3.38	3.37	0.00	24.69	0.24	1.07	1.09	1.09
380	3.42	3.42	0.00	24.97	0.28	1.05	1.10	1.10
400	3.41	3.41	0.00	25.39	0.37	1.04	1.11	1.12

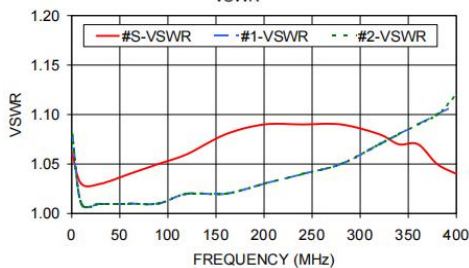
TOTAL LOSS



ISOLATION



VSWR



Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	0.5W max.
Internal Dissipation	0.125W max.

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

JY-ADP-2-1+



2 Way-0° 50Ω 0.5 to 400 MHz

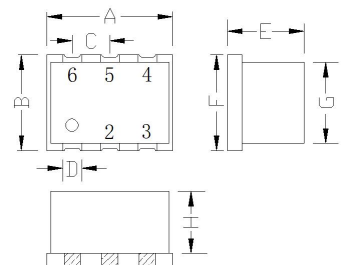
electrical schematic



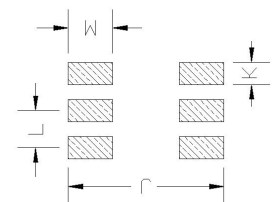
Pin Connections

SUM PORT	1
PORT 1	3
PORT 2	4
GROUND	6
Externally connect together & isolate	2,5

Outline Drawing



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		