

RFPS-AD4PS-1

Features

- wideband, 1-500 MHz
- high isolation, 30 dB typ.
- good input port matching VSWR, 1.12 typ.
- good output port matching VSWR, 1.10 typ.
- small surface mount package

Applications

- VHF-TV
- aircraft communications



Transformer Electrical Specifications

Freq. Range (MHz)	Isolation (dB)		Insertion Loss(dB) Above 6.0 dB		Phase Unbalance (Degrees)		Amplitude Unbalance (dB)	
	min	Max.	min	Max.	min	Max.	min	Max.
1-500	18	32	0.4	1.8	2	7	0.4	0.8

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

Freq. (MHz)	Total Loss (dB)			Amp. Unbal. (dB)	Isolation(dB)			Phase Unbal.(de g.)	VSWRS			
	S-1	S-2	S-3		1-2	2-3	2-4		S	1	2	3
1	6.59	6.59	6.59	0.01	28.61	46.82	30.70	0.02	1.20	1.31	1.31	1.30
5	6.38	6.42	6.38	0.04	33.63	54.15	34.52	0.05	1.10	1.15	1.15	1.15
9	6.37	6.42	6.37	0.05	34.35	52.09	34.63	0.08	1.08	1.12	1.12	1.12
10	6.38	6.42	6.38	0.04	34.41	51.62	34.60	0.09	1.08	1.12	1.12	1.11
40	6.42	6.47	6.43	0.04	33.14	40.57	32.89	0.28	1.08	1.11	1.11	1.11
70	6.47	6.50	6.46	0.04	31.60	36.15	31.47	0.52	1.09	1.10	1.11	1.11
100	6.49	6.53	6.49	0.04	30.28	33.28	30.23	0.71	1.11	1.10	1.10	1.11
150	6.58	6.61	6.56	0.05	28.63	30.21	28.64	1.04	1.12	1.09	1.10	1.10
200	6.65	6.68	6.62	0.05	27.48	28.12	27.52	1.47	1.14	1.07	1.08	1.09
250	6.68	6.71	6.63	0.09	26.98	26.73	27.02	1.66	1.14	1.05	1.07	1.09
300	6.76	6.80	6.71	0.10	27.10	25.83	27.23	1.99	1.13	1.04	1.06	1.09
350	6.81	6.83	6.70	0.15	28.13	25.41	28.36	2.08	1.09	1.04	1.06	1.09
400	6.84	6.90	6.73	0.21	30.62	25.41	30.49	2.21	1.05	1.07	1.08	1.12
450	6.95	6.98	6.76	0.26	36.71	25.89	31.30	2.54	1.05	1.11	1.11	1.16
500	7.08	7.15	6.83	0.38	39.78	26.85	27.20	3.34	1.13	1.14	1.15	1.21

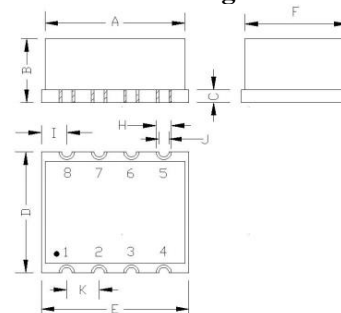
Electrical Schematic



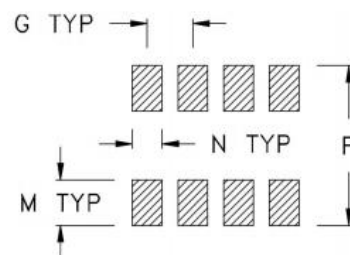
Pin Connections

SUM PORT	2(input)
PORT 1	8(output1)
PORT 2	7(output2)
PORT 3	6(output3)
PORT 4	5(output4)
GROUND	1,3,4

Outline Drawing

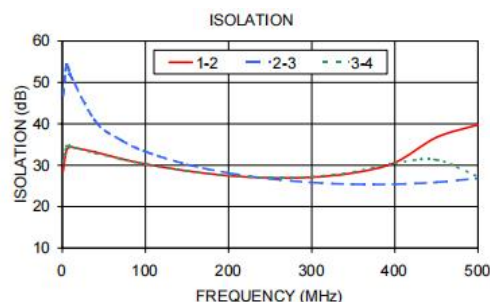
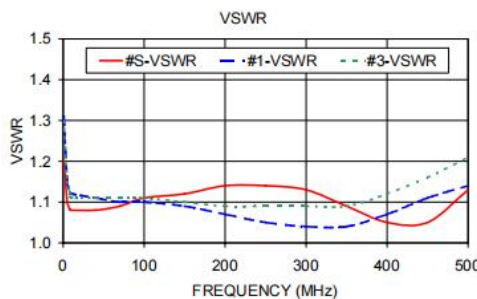
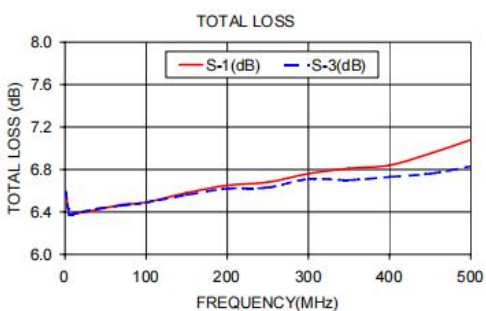


PCB Land Pattern



Outline Dimensions: Unit (mm)

A	11.00	G	2.54
B	5.00	H	1.21
C	1.00	I	2.00
D	9.5	J	0.80
E	11.60	K	2.54
F	8.00	M	3.05
N	1.52	P	10.67



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	0.25W max.

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

RFPS-ADP-2-1W

Features

- low insertion loss, 0.25dB typ.
- excellent amplitude unbalance, 0.01dB typ.
- very good phase unbalance, 0.2deg. typ.
- aqueous washable

Applications

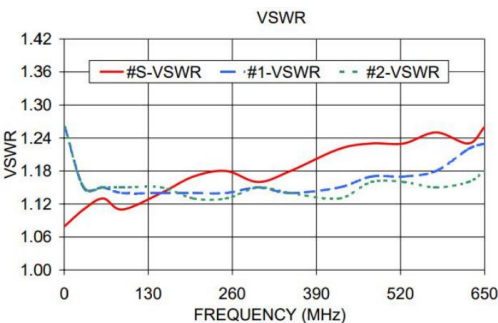
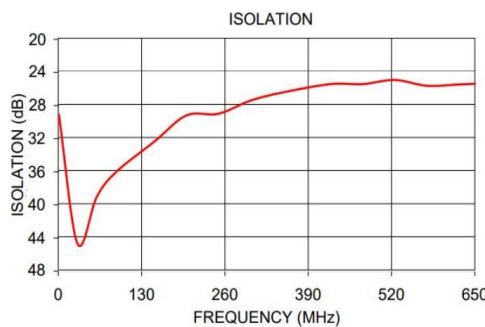
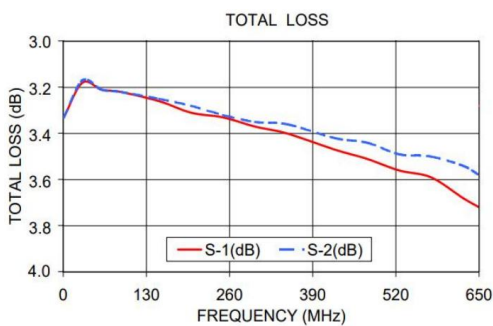
- VHF/UHF receivers/transmitters

Electrical Specifications

Freq. Range (MHz)	Isolation (dB)		Insertion Loss(dB) Above 3.0 dB		Phase Unbalance (Degrees)		Amplitude Unbalance (dB)	
	Typ.	Max.	Typ.	Max.	Min.	Max.	Min.	Max.
1-650	30	20	0.2	1.0	2.0	3.0	0.15	0.3

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

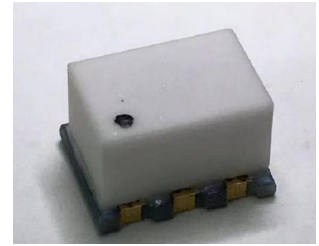
Freq. (MHz)	Total Loss (dB)		Amp.Unbal. (dB)	Isolation (dB)	Phase Unbal. (deg.)	VSWRS		
	S-1	S-2				S	1	2
1.00	3.33	3.33	0.00	29.22	0.03	1.08	1.26	1.26
30.00	3.18	3.17	0.01	44.81	0.03	1.11	1.15	1.15
60.00	3.21	3.21	0.00	39.19	0.01	1.13	1.15	1.15
90.00	3.22	3.22	0.00	36.18	0.00	1.11	1.14	1.15
150.00	3.26	3.25	0.01	32.49	0.12	1.14	1.14	1.15
200.00	3.31	3.28	0.03	29.34	0.09	1.17	1.14	1.13
250.00	3.33	3.32	0.02	29.13	0.06	1.18	1.14	1.13
300.00	3.37	3.35	0.02	27.54	0.17	1.16	1.15	1.15
350.00	3.40	3.36	0.04	26.57	0.09	1.18	1.14	1.14
425.00	3.47	3.42	0.05	25.55	0.28	1.22	1.15	1.13
475.00	3.51	3.44	0.07	25.55	0.30	1.23	1.17	1.16
525.00	3.56	3.49	0.07	25.05	0.30	1.23	1.17	1.16
575.00	3.59	3.50	0.09	25.75	0.30	1.25	1.18	1.15
625.00	3.68	3.54	0.14	25.60	0.47	1.23	1.22	1.16
650.00	3.72	3.58	0.14	25.51	0.52	1.26	1.23	1.18



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.



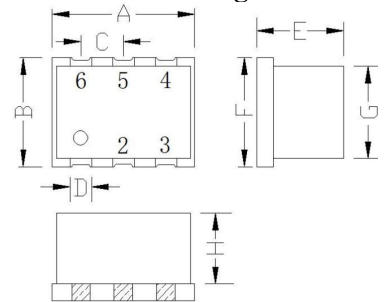
Electrical Schematic



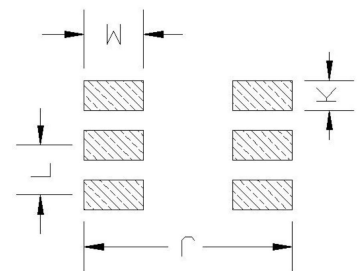
Pin Connections

SUM PORT	1
PORT 1	3
PORT 2	4
GROUND	6
NOT USED	2,5

Outline Drawing



PCB Land Pattern



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		

## RFPS - JPS - 2 - 1W

### Features

- low insertion loss, 0.4 dB typ.
- excellent insertion loss flatness, 0.2 dB peak to peak typ.
- excellent amplitude unbalance, 0.05 dB typ.
- very good phase unbalance, 0.1 deg. typ.
- excellent VSWR, 1.1:1 typ. all ports.
- J-leads for excellent solderability and strain relief

### Applications

- UHF/VHF
- instrumentation



2 Way-0° 50Ω 3 to 750 MHz

electrical schematic



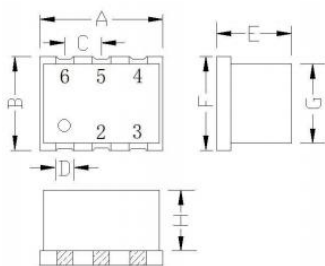
### Transformer Electrical Specifications

Freq. range (MHz)	Isolation(dB)		Insertion Loss (dB) Above 3.0 dB.		Phase Unbalance (Degrees) Max.	Amplitude Unbalance (dB) Max.
	min	max	min	max		
3-750	20	36	0.5	1.0	2.0	0.3

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

Frequency (MHz)	Total Loss (dB)		Amp. Unbal. (dB)	Isolation (dB)	PhaseUnbal. (deg.)	VSWRS		
	S-1	S-2				S	1	2
3	3.57	3.57	0.00	31.30	0.00	1.13	1.35	1.35
5	3.46	3.46	0.00	35.31	0.01	1.11	1.29	1.29
10	3.38	3.38	0.00	37.17	0.02	1.11	1.24	1.24
22	3.36	3.36	0.00	36.06	0.06	1.10	1.23	1.23
40	3.38	3.39	0.01	34.66	0.08	1.11	1.22	1.22
100	3.38	3.38	0.00	30.08	0.27	1.12	1.22	1.22
250	3.53	3.52	0.01	23.73	0.49	1.17	1.22	1.22
375	3.63	3.61	0.03	21.42	0.73	1.20	1.21	1.21
440	3.66	3.63	0.03	2.84	0.85	1.21	1.21	1.21
500	3.73	3.68	0.06	50.52	0.84	1.21	1.20	1.20
560	3.77	3.70	0.07	20.46	0.93	1.21	1.18	1.18
620	3.79	3.70	0.09	20.69	0.88	1.20	1.17	1.17
660	3.86	3.73	0.13	21.04	0.90	1.18	1.16	1.16
700	3.87	3.73	0.14	21.60	0.89	1.17	1.15	1.15
750	3.98	3.77	0.16	22.58	0.83	1.14	1.13	1.13

### Outline Drawing

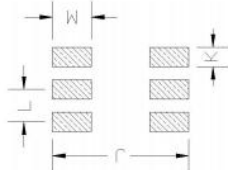


Suggested Layout, Tolerance to be within ±0.2

### Outline Dimensions: Unit ( mm)

A	8.70	G	5.50
B	6.50	H	4.30
C	2.54	L	2.54
D	1.30	J	8.00
E	5.40	K	1.50
F	6.54	M	2.00
WT	0.5g		

### PCB Land Pattern



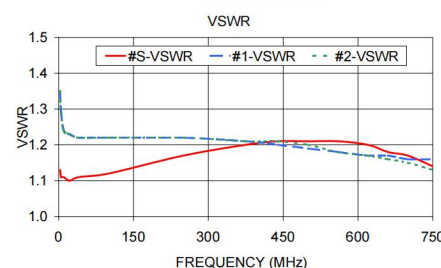
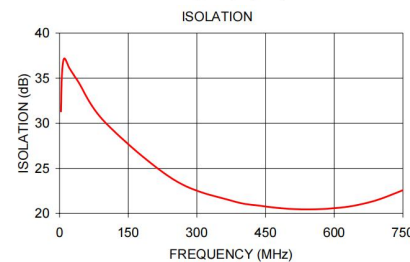
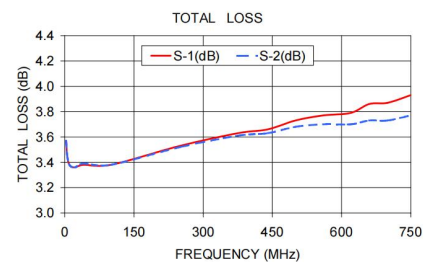
### Pin Connections

SUM PORT	1 (input)
PORT 1	3 (output1)
PORT 2	4 (output2)
PORT 3	6 (output3)
NOT USED	2,5

### Maximum Ratings

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

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



RFPS-JPS-3-1

Features

- wideband, 5 to 300 MHz
- high isolation, 28dB typ.
- good input port matching VSWR, 0.3 typ.
- small surface mount package

Applications

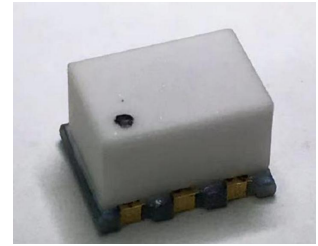
- VHF
- defense & federal communications
- amateur & FM radio

Transformer Electrical Specifications

Freq. Range (MHz)	Isolation (dB)		Insertion Loss(dB) Above 3.0 dB		Phase Unbalance (Degrees)	Amplitude Unbalance (dB)
	Typ.	Max.	Typ.	Max.	Max.	Max.
5-300	18	28	0.8	1.5	6	0.6

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-3		1-2	1-3	2-3		S	1	2	3
5.0	-5.03	-5.03	-5.03	0.08	-28.7	-27.6	-27.6	0.02	1.08	1.08	1.08	1.08
10.0	-4.99	-4.99	-4.99	0.08	-28.8	-27.8	-27.7	0.05	1.09	1.10	1.10	1.08
40.0	-4.95	-4.95	-4.94	0.08	-28.3	-27.3	-27.2	0.01	1.10	1.11	1.11	1.09
100.0	-4.98	-4.95	-4.95	0.07	-26.3	-25.8	-25.2	0.01	1.15	1.15	1.15	1.15
200.0	-5.16	-5.06	-5.04	0.07	-22.9	-22.8	-21.7	0.05	1.20	1.18	1.18	1.19
240.0	-5.24	-5.12	-5.09	0.07	-21.9	-21.9	-20.7	0.09	1.20	1.18	1.18	1.19
280.0	-5.34	-5.17	-5.12	0.07	-21.0	-21.0	-19.7	0.13	1.19	1.17	1.17	1.18
300.0	-5.38	-5.19	-5.13	0.07	-20.6	-20.6	-19.3	0.15	1.19	1.18	1.18	1.19
350.0	-5.58	-5.31	-5.22	0.07	-19.6	-19.6	-18.3	0.15	1.24	1.23	1.23	1.24



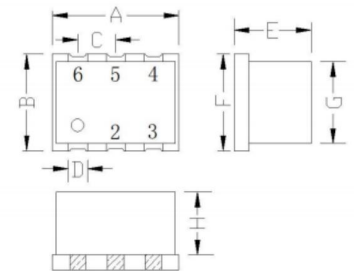
Electrical Schematic



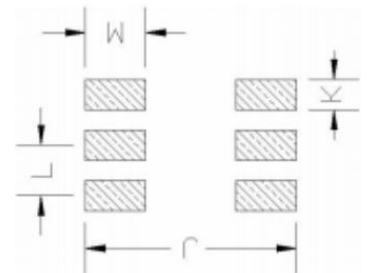
Pin Connections

SUM PORT	1(input)
PORT 1	3(output1)
PORT 2	4(output2)
PORT 3	6(output3)
GROUND	2,5

Outline Drawing

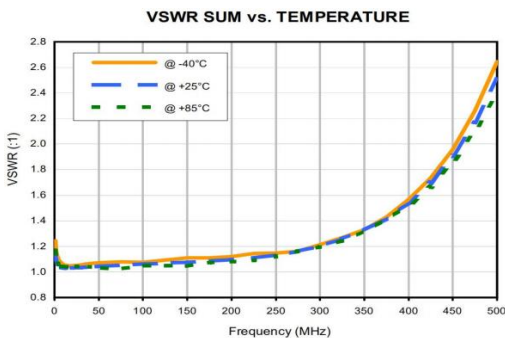
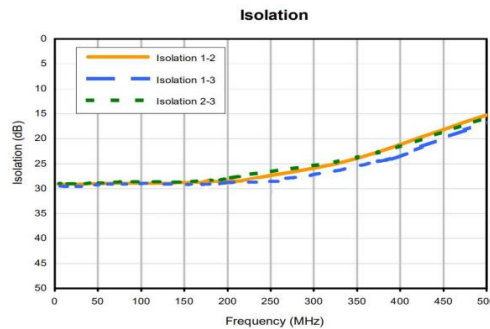
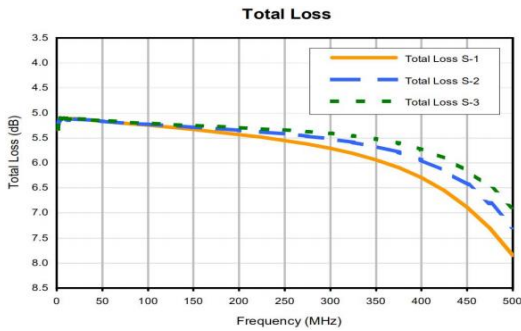


PCB Land Pattern



Outline Dimensions: Unit (mm)

A	8.70	J	7.60
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		



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	0.4W max.

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

RFPS - SC4PS - 33

Features

- wideband, 300 to 3000 MHz, useable from 100 to 3600 MHz
- low insertion loss, 1.6 dB typ.
- good isolation, 17 dB typ.
- good amplitude unbalance, 0.4 dB typ.

Applications

- communication systems
- CATV
- cellular, GPS, PCS
- VHF/UHF/receivers/transmitters



electrical schematic



Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Frequency Range		300	-	3000	MHz
Insertion Loss Above 6.0 dB	300-2700	-	1.6	3.1	dB
	2700-3000	-	2.6	3.8	
Isolation	300-3000	12	17	-	dB
	1000-2000	20	-	-	
Phase Unbalance	300-2700	-	7	15	Degree
	2700-3000	-	12	20	
Amplitude Unbalance	300-2700	-	0.4	0.9	dB
	2700-3000	-	0.7	1.2	
VSWR (Port S)	300-3000	-	2.1	-	:1
VSWR (Port 1-4)	300-3000	-	1.5	-	:1

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	0.2W max.

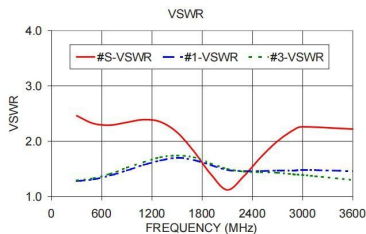
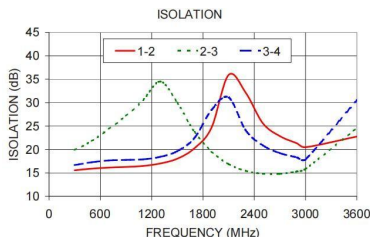
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

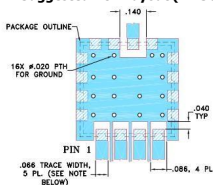
SUNPORT	10
PORT1	1
PORT2	2
PORT3	3
PORT 4	4
GROUND	ALLOTTHER

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-3		1-2	2-3	2-4		S	1	2
300	7.20	7.22	7.09	0.03	15.56	19.89	16.67	1.15	2.46	1.28	1.28
500	7.18	7.20	7.06	0.17	15.90	21.83	17.28	1.71	2.32	1.31	1.31
700	7.26	7.28	7.11	0.21	16.14	24.40	17.66	2.06	2.29	1.38	1.38
1000	7.43	7.44	7.27	0.23	20.50	27.19	21.06	2.29	2.34	1.47	1.47
1100	7.60	7.60	7.42	0.25	21.13	30.54	22.63	2.55	2.39	1.57	1.57
1300	7.71	7.67	7.49	0.28	21.95	34.52	23.14	2.93	2.35	1.65	1.65
1500	7.62	7.58	7.40	0.29	22.54	32.99	22.63	3.31	2.16	1.67	1.67
1700	7.48	7.33	7.18	0.35	20.26	29.26	22.45	3.84	1.82	1.62	1.62
2000	7.32	7.06	6.96	0.41	24.66	21.35	28.42	4.71	1.41	1.52	1.52
2100	7.29	6.94	6.90	0.45	35.91	16.89	31.12	5.70	1.12	1.41	1.41
2300	7.54	7.12	7.14	0.46	32.14	15.43	24.09	7.01	1.37	1.34	1.34
2500	7.96	7.46	7.52	0.51	25.62	14.83	20.89	8.66	1.71	1.33	1.33
2700	8.48	7.89	7.95	0.59	22.85	14.80	19.22	10.64	2.00	1.32	1.32
2900	8.95	8.25	8.26	0.77	21.31	15.32	18.31	12.58	2.21	1.29	1.29
3000	9.14	8.39	8.38	0.86	20.49	15.86	17.91	13.44	2.26	1.28	1.28

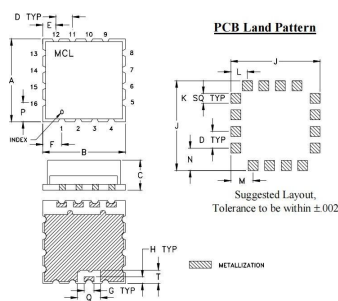


Demo Board MCL P/N: TB-652+ Suggested PCB Layout (PL-368)



- NOTES: 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .020" ± .002". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
- 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Outline Drawing



Outline Dimensions: Unit (mm)

A	12.70	B	12.70
C	4.57	D	2.54
E	2.03	F	2.92
G	1.52	H	1.02
J	13.72	K	1.52
L	2.54	M	3.43
N	3.43	P	2.92
Q	3.56	T	2.03
wt	1.0		

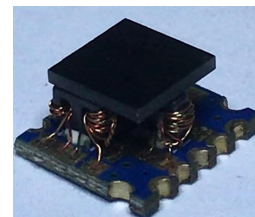
## RFPS-SCA-4-132

### Features

- wideband, 5-1300 MHz
- high isolation, 22dB typ.
- good matching VSWR, 1.20 typ.
- excellent amplitude unbalance, 0.3 dB typ.

### Applications

- cellular
- UHF/VHF receivers/transmitters



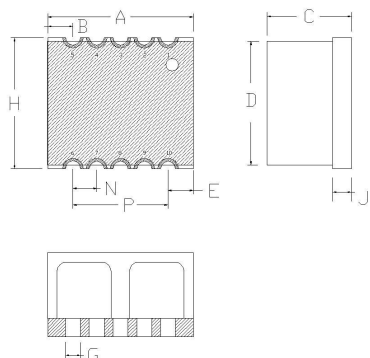
4 Way-0° 50Ω 5 to 1300 MHz

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		5		1300	MHz
Insertion Loss, above 6.0 dB	5-500		0.8	1.5	dB
	500-1000		1.2	2.4	
	1000-1300		2.0	3.2	
Isolation	5-1000	15	21		dB
	1000-1300	13	18		
Phase Unbalance	5-500		2.0	5	Degree
	500-1000		4.0	11	
	1000-1300		8.0	16	
Amplitude Unbalance	5-1000		0.5	0.9	dB
	1000-1300		0.7	1.2	
VSWR (Port S)	5-500		1.22	1.32	:1
	500-1300		1.28	1.8	
VSWR (Port 1-4)	5-500		1.57	1.8	:1
	500-1300		1.40	1.8	

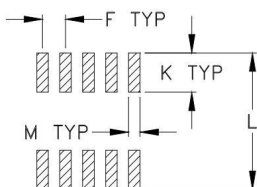
### electrical schematic



### Outline Drawing



### PCB Land Pattern



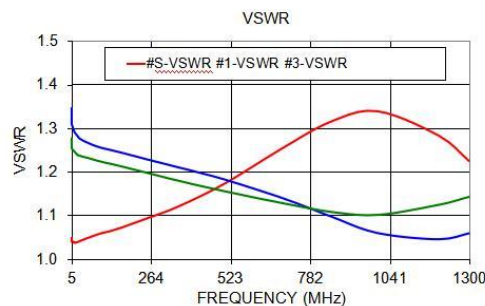
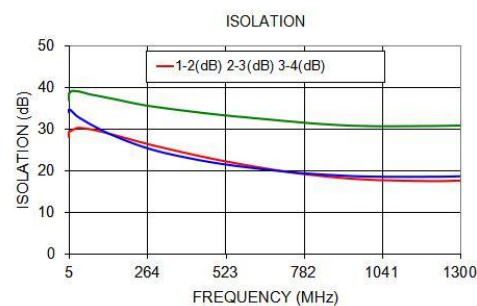
Suggested Layout, Tolerance to be within ±0.05

Pin Connections	
SUM PORT	3 (input)
PORT 1	6 (output 1)
PORT 2	7 (output 2)
PORT 3	9 (output 3)
PORT 4	10 (output 4)
GND	1,2,4,5,8

### Maximum Ratings

Operating Temperature	-40 °C to 85 °C
Storage Temperature	-55 °C to 100 °C
Power Input (as a splitter)	0.5 W max.
Internal Dissipation	0.375 W max.
Permanent damage may occur if any of these limits are exceeded.	

Outline Dimensions:Unit (mm)			
A	7.80	G	0.80
B	1.35	H	7.18
C	4.50	N, F	1.27
D	7.80	J	1.00
E	1.35	P	5.08



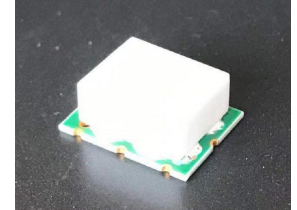
**RFPS - SCRP - 2 - 682W**

**Features**

- very wideband, DC to 6800 MHz
- very good phase unbalance, 1 deg. typ.
- excellent amplitude unbalance, 0.1 dB typ.
- rugged shielded case

**Applications**

- laboratory
- test set-ups
- PCS
- UNII
- WiMAX
- WiFi
- blue tooth



**DC to 6800 MHz**

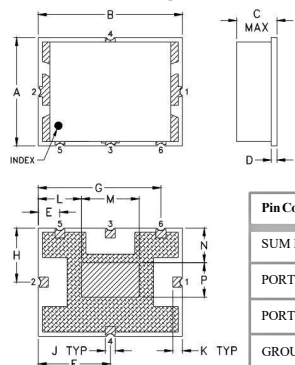
**Electrical Schematic**



**Electrical Specifications**

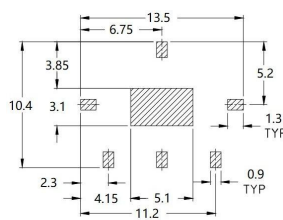
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Uni
Frequency Range	DC-6800	DC	-	6800	MHz
Insertion Loss Above 9.5 dB	DC-6800	-	0.8	1.6	dB
Isolation	DC-6800	17	19	--	dB
Phase Unbalance	DC-6800	-	3	6	Degree
Amplitude Unbalance	DC-6800	0.1	0.4	0.7	dB
VSWR (Port S)	DC-6800	--	1.3	1.6	:1
VSWR (Port 1-2)	DC-6800	--	1.3	2.2	:1

**Outline Drawing**



Outline Dimensions (mm)			
AB	9.7	GH	10.80
CD	12.70	J	4.75
EF	4.52	KL	0.89
M	0.51	PN	0.86
	1.91		3.81
	6.35		3.05
	5.08		3.05

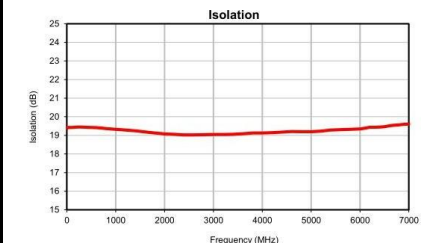
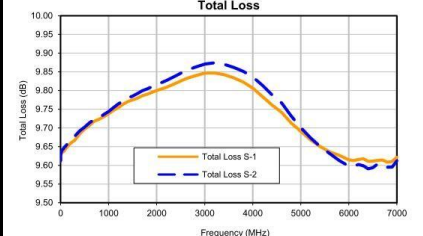
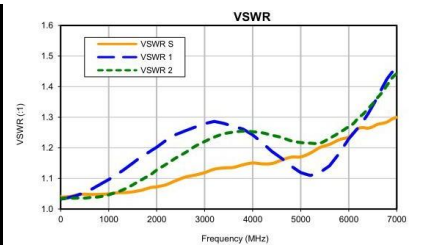
**PCB Land Pattern**



**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 0.5W max.

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



# 4 Way-0° Resistive 50Ω DC to 6000 MHz

## RFPS-SRSC-4S-63

## Power Splitter/Combiner

### Features

- wideband, DC to 6000 MHz,
- good matching VSWR 1.3:1 typ.
- good amplitude unbalance, 0.4 dB typ.

### Applications

- communication systems
- CATV
- cellular, GPS, PCS
- VHF/UHF/receivers/transmitters

### Electrical Specifications at 25°C

Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Frequency Range				6000	MHz
Insertion Loss, including 12 dB	DC-6000	11.5	12.0	13.2	dB
	3600-6000	11.5	12.5	14.0	
Isolation	DC-6000	-	7	-	dB
Phase Unbalance	DC-6000	-	3	8	Degree
	3600-6000	-	8	14	
Amplitude Unbalance	DC-6000	-	0.4	0.8	dB
	3600-6000	-	0.7	1.2	
VSWR (Port S)	DC-6000	-	1.35	1.65	:1
VSWR (Port 1-4)	DC-6000	-	1.30	1.60	:1



### Electrical Schematic



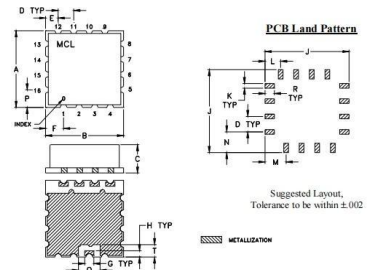
### Pin Connections

SUM PORT	10
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4
GROUND	ALL OTHER

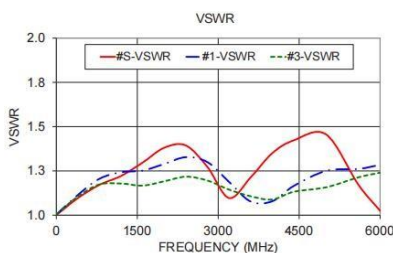
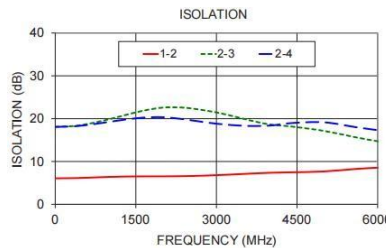
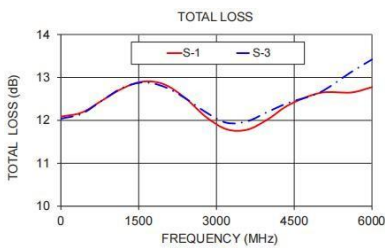
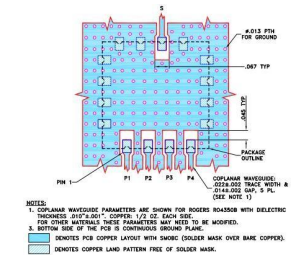
### Typical Performance Data (TEST CONDITIONS: INPUT POWER = 0dBm @ Temperature = +25°C)

Freq. (MHz)	Total Loss (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWRS			
	S-1	S-2	S-3		1-2	2-3	2-4		S	1	2	3
1	12.09	12.08	12.04	0.05	6.06	18.08	18.09	0.30	1.00	1.00	1.00	1.01
400	12.18	12.18	12.15	0.03	6.13	18.35	18.26	0.44	1.10	1.11	1.11	1.11
800	12.47	12.50	12.47	0.04	6.31	19.27	18.87	1.25	1.17	1.21	1.19	1.17
1200	12.75	12.83	12.77	0.08	6.46	20.50	19.60	2.18	1.22	1.24	1.21	1.18
1600	12.90	13.00	12.88	0.15	6.52	21.76	20.20	3.10	1.30	1.25	1.19	1.17
2000	12.83	12.96	12.78	0.31	6.53	22.58	20.34	3.41	1.38	1.29	1.23	1.19
2400	12.52	12.72	12.51	0.43	6.58	22.56	19.85	3.28	1.39	1.33	1.28	1.22
2800	12.08	12.34	12.19	0.43	6.71	21.90	19.13	2.97	1.27	1.30	1.27	1.20
3200	11.79	12.03	11.94	0.34	6.91	20.91	18.59	3.06	1.10	1.19	1.23	1.14
3600	11.78	12.07	11.98	0.28	7.15	19.66	18.30	3.81	1.21	1.08	1.13	1.11
4000	12.03	12.39	12.20	0.36	7.37	18.63	18.39	4.85	1.35	1.08	1.12	1.09
4400	12.36	12.71	12.41	0.35	7.48	18.16	18.97	5.91	1.42	1.17	1.11	1.13
5000	12.64	12.95	12.65	0.39	7.68	17.15	19.15	7.06	1.46	1.25	1.12	1.16
5600	12.65	13.05	13.13	0.49	8.26	15.62	18.00	8.66	1.17	1.26	1.21	1.21
6000	12.77	13.11	13.42	0.68	8.55	14.72	17.32	8.39	1.02	1.28	1.29	1.24

### Outline Drawing



### PCB Land Pattern



### Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	0.2W max.
Internal Dissipation	0.15W max.
Permanent damage may occur if any of these limits are exceeded.	

### Outline Dimensions: Unit (mm)

A	12.70	B	12.70
C	4.70	D	2.54
E	2.03	F	2.92
G	0.76	H	1.02
J	13.72	K	0.76
L	2.54	M	3.43
N	3.43	P	2.92
Q	3.56	R	1.52
T	2.03	wt	1.0g