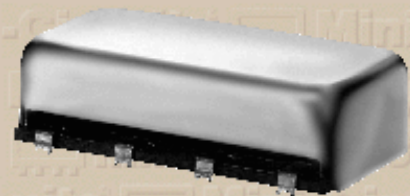


# Power Splitter



## Notes:

- Non-catalog model. Please consult factory for price and delivery.
- **Sum port impedance is 50 ohms. Output port impedance is 75 ohms.**
- General Quality Control Procedures and Environmental Specifications are given in [Mini-Circuits Guarantees Quality](#). Hi-Rel, MIL description are given in [Hi-Rel and MIL](#).
- Prices and Specifications subjects to change without notice.

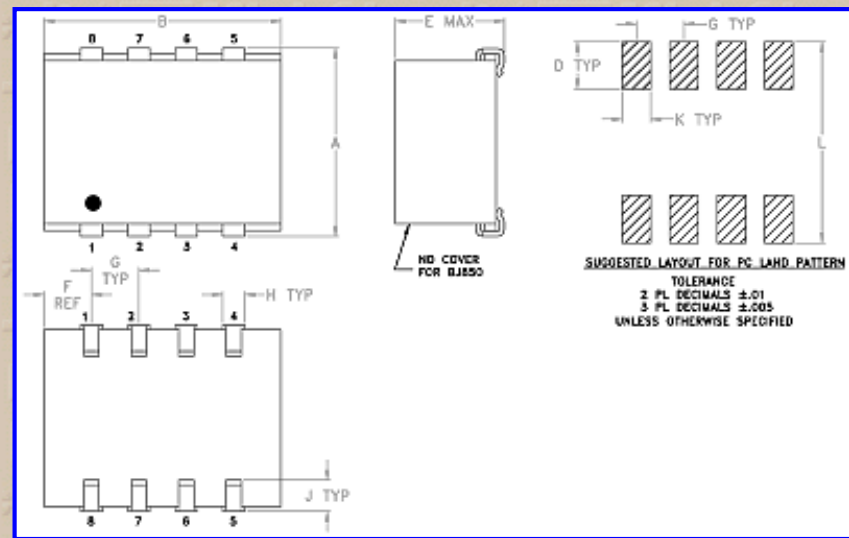
## JS4PS-ED10334/1 4 Way-0°

Frequency MHz	Isolation, dB			Insertion Loss, dB Above 6.0dB			Phase Unbalance Degrees			Amplitude Unbalance, dB			VSWR (:1)	
	L	M	U	L	M	U	L	M	U	L	M	U	S	OUT
$f_L - f_U$	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.	Typ.	Max.
10-1150	20	23	25	0.30	0.40	0.80							1.25	1.20

L=low range( $f_L$  to  $10f_L$ ) M=mid range( $10f_L$  to  $f_U/2$ ) U=upper range( $f_U/2$  to  $f_U$ )

## Pin Connections

Port	Sum Port	Port 1	Port 2	Port 3	Port 4	Gnd Ext
kb	2	8	7	6	5	1,3,4



FREQ (MHz)	Insertion Loss				Amplitude Unbalance (dB)	Isolation			Phase Unbalance (Degrees)	FREQ (MHz)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	(dB) S-1	(dB) S-2	(dB) S-3	(dB) S-4		(dB) 1-2	(dB) 2-3	(dB) 3-4							
10.00	6.30	6.30	6.31	6.30	0.010	14.49	30.70	15.05	0.05	10.00	1.29	1.56	1.56	1.52	1.52
15.00	6.30	6.30	6.30	6.30	0.010	16.35	31.08	16.83	0.08	15.00	1.27	1.42	1.41	1.39	1.39
20.00	6.29	6.29	6.29	6.29	0.000	17.47	31.12	17.92	0.01	20.00	1.26	1.35	1.34	1.33	1.33
25.00	6.29	6.29	6.29	6.29	0.000	18.27	31.07	18.68	0.01	25.00	1.25	1.30	1.30	1.29	1.29
30.00	6.28	6.28	6.29	6.29	0.010	18.85	31.03	19.24	0.03	30.00	1.24	1.27	1.27	1.26	1.26
35.00	6.28	6.28	6.28	6.28	0.000	19.29	30.96	19.66	0.02	35.00	1.24	1.26	1.25	1.24	1.24
40.00	6.28	6.28	6.28	6.28	0.000	19.63	30.93	19.99	0.02	40.00	1.24	1.24	1.24	1.23	1.23
45.00	6.27	6.28	6.28	6.28	0.000	19.90	30.89	20.25	0.02	45.00	1.24	1.23	1.23	1.22	1.22
50.00	6.27	6.28	6.27	6.28	0.000	20.13	30.85	20.47	0.03	50.00	1.23	1.22	1.22	1.21	1.21
55.00	6.27	6.27	6.27	6.27	0.000	20.32	30.80	20.66	0.02	55.00	1.23	1.21	1.21	1.20	1.20
60.00	6.27	6.28	6.27	6.28	0.000	20.50	30.76	20.83	0.02	60.00	1.23	1.21	1.21	1.20	1.20
65.00	6.27	6.28	6.27	6.28	0.000	20.64	30.73	20.96	0.05	65.00	1.23	1.20	1.20	1.19	1.19
70.00	6.27	6.28	6.27	6.27	0.010	20.76	30.71	21.08	0.03	70.00	1.23	1.20	1.20	1.19	1.19
75.00	6.27	6.27	6.28	6.28	0.000	20.88	30.69	21.19	0.02	75.00	1.22	1.19	1.19	1.18	1.18
80.00	6.27	6.27	6.27	6.27	0.010	20.97	30.65	21.28	0.06	80.00	1.22	1.19	1.19	1.18	1.18
100.00	6.27	6.28	6.28	6.28	0.010	21.25	30.61	21.55	0.08	100.00	1.22	1.18	1.18	1.17	1.17
125.00	6.28	6.29	6.28	6.29	0.010	21.48	30.58	21.77	0.11	125.00	1.21	1.17	1.17	1.17	1.16
150.00	6.28	6.29	6.29	6.29	0.010	21.66	30.59	21.95	0.17	150.00	1.21	1.17	1.17	1.16	1.16
175.00	6.28	6.29	6.29	6.29	0.010	21.83	30.67	22.12	0.16	175.00	1.21	1.17	1.17	1.16	1.16
200.00	6.30	6.31	6.31	6.31	0.020	22.02	30.74	22.31	0.23	200.00	1.21	1.16	1.16	1.16	1.15
250.00	6.31	6.32	6.32	6.33	0.020	22.41	31.00	22.71	0.31	250.00	1.20	1.16	1.16	1.16	1.15
300.00	6.33	6.35	6.35	6.36	0.030	22.89	31.35	23.22	0.37	300.00	1.20	1.16	1.16	1.16	1.16
350.00	6.34	6.36	6.37	6.38	0.040	23.46	31.79	23.81	0.43	350.00	1.19	1.16	1.16	1.17	1.15
400.00	6.37	6.39	6.41	6.42	0.050	24.15	32.29	24.54	0.48	400.00	1.19	1.16	1.17	1.17	1.16

**Case Style - BJ360** (inch,mm ) weight: 1.7 grams.

A	B	C	D	E	F	G	H	J
.450	.800		.100	.250	.100	.200	.047	.065
11.430	20.320		2.540	6.350	2.540	5.080	1.194	1.651
K	L	M	N	P	Q	R	S	T
.065	.480							
1.651	12.192							

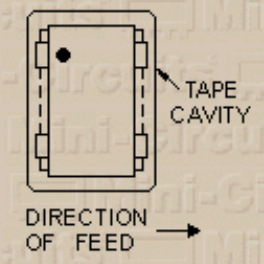
Tolerance: .x ± .1 .xx ± .03 .xxx ± .015 inch.

Material and Finish:  
 Case Material: Copper alloy or nickel-silver alloy. Header: Glass Epoxy Laminate base.  
 Termination Finish: tin-lead plate or tin plate.  
 Packaging:

450.00	6.38	6.40	6.42	6.43	0.060	24.94	32.78	25.37	0.51	450.00	1.17	1.16	1.17	1.18	1.16
500.00	6.40	6.43	6.46	6.47	0.070	25.84	33.11	26.32	0.55	500.00	1.15	1.16	1.18	1.18	1.16
550.00	6.44	6.47	6.50	6.52	0.080	26.81	33.14	27.34	0.67	550.00	1.13	1.16	1.17	1.18	1.16
600.00	6.44	6.49	6.53	6.55	0.100	27.62	32.66	28.14	0.78	600.00	1.09	1.15	1.16	1.17	1.15
650.00	6.48	6.54	6.58	6.59	0.120	28.17	31.84	28.57	0.88	650.00	1.04	1.14	1.15	1.16	1.13
700.00	6.50	6.57	6.61	6.63	0.130	28.25	30.79	28.41	1.00	700.00	1.01	1.13	1.14	1.15	1.12
750.00	6.55	6.64	6.68	6.70	0.140	27.83	29.69	27.71	1.17	750.00	1.07	1.12	1.14	1.15	1.12
800.00	6.60	6.68	6.73	6.75	0.150	26.99	28.57	26.63	1.31	800.00	1.14	1.11	1.13	1.13	1.11
850.00	6.66	6.77	6.81	6.82	0.160	25.99	27.49	25.48	1.54	850.00	1.22	1.10	1.12	1.13	1.10
900.00	6.71	6.83	6.87	6.88	0.170	24.97	26.52	24.36	1.74	900.00	1.31	1.09	1.11	1.12	1.08
950.00	6.79	6.92	6.96	6.96	0.170	24.05	25.66	23.36	1.97	950.00	1.41	1.07	1.09	1.09	1.06
1000.00	6.86	7.00	7.04	7.04	0.180	23.21	24.91	22.46	2.20	1000.00	1.50	1.07	1.09	1.09	1.05
1050.00	6.94	7.08	7.12	7.11	0.170	22.47	24.29	21.67	2.44	1050.00	1.59	1.07	1.07	1.07	1.04
1100.00	7.04	7.17	7.20	7.19	0.160	21.83	23.75	20.97	2.77	1100.00	1.66	1.08	1.09	1.08	1.05
1150.00	7.11	7.27	7.29	7.27	0.180	21.23	23.34	20.34	3.27	1150.00	1.71	1.09	1.10	1.10	1.06

**UNIT ORIENTATION**

Packaging information:  
 Tape Width(mm): 32  
 Reel Size(inches): 13  
 Device Cavity Pitch(mm): 16  
 Devices Per Reel: 500



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