

Power Splitter/Combiner

JPS2-ED9499/2

2 Way-0°

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : BH292

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1		1136 MHz
Isolation	1 - 10 MHz		25	dB
	10 - 568 MHz		26	dB
	568 - 1136 MHz		21	dB
Insertion Loss Above 3.0 dB	1 - 10 MHz		0.56	dB
	10 - 568 MHz		0.63	dB
	568 - 1136 MHz		1.37	dB
Phase Unbalance	1 - 10 MHz		0.091	deg.
	10 - 568 MHz		0.274	deg.
	568 - 1136 MHz		1.221	deg.
Amplitude Unbalance	1 - 10 MHz		0.011	dB
	10 - 568 MHz		0.028	dB
	568 - 1136 MHz		0.305	dB
VSWR	SUM Port		1.28	(:1)
	OUT Ports		1.32	(:1)

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
SUM PORT	1
PORT 1	3
PORT 2	4
GND EXT	6
NOT USED	2, 5

Functional Diagram



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Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
0.6	3.91	3.91	0.01	18.54	0.15	0.6	1.25	1.75	1.75
1.2	3.71	3.72	0.00	20.82	0.24	1.2	1.16	1.54	1.54
1.7	3.63	3.63	0.01	22.35	0.12	1.7	1.12	1.45	1.45
2.3	3.57	3.59	0.02	23.62	0.02	2.3	1.10	1.39	1.39
2.8	3.54	3.54	0.01	24.68	0.05	2.8	1.09	1.36	1.36
3.4	3.53	3.53	0.01	25.59	0.06	3.4	1.08	1.33	1.33
3.9	3.49	3.51	0.02	26.40	0.04	3.9	1.07	1.31	1.31
4.5	3.49	3.50	0.02	27.07	0.12	4.5	1.06	1.30	1.30
5.0	3.48	3.49	0.00	27.68	0.08	5.0	1.06	1.29	1.29
30.0	3.47	3.47	0.00	30.96	0.06	30.0	1.02	1.22	1.22
50.0	3.48	3.49	0.01	30.17	0.15	50.0	1.02	1.22	1.22
58.2	3.50	3.51	0.01	29.94	0.06	58.2	1.02	1.22	1.22
111.4	3.53	3.54	0.01	28.49	0.15	111.4	1.03	1.23	1.23
164.6	3.55	3.56	0.01	27.28	0.19	164.6	1.05	1.22	1.22
217.9	3.62	3.61	0.00	26.41	0.49	217.9	1.08	1.23	1.23
271.1	3.59	3.58	0.00	25.38	0.29	271.1	1.11	1.24	1.24
324.3	3.71	3.68	0.03	24.95	0.39	324.3	1.14	1.25	1.25
377.5	3.70	3.68	0.02	24.26	0.40	377.5	1.17	1.25	1.25
430.7	3.82	3.75	0.07	23.77	0.46	430.7	1.21	1.26	1.26
483.9	3.84	3.76	0.08	23.27	0.46	483.9	1.25	1.27	1.27
537.1	3.89	3.79	0.10	22.69	0.19	537.1	1.29	1.28	1.28
590.4	3.98	3.84	0.14	22.16	0.14	590.4	1.33	1.30	1.30
643.6	4.03	3.87	0.15	21.65	0.11	643.6	1.36	1.30	1.29
696.8	4.13	3.95	0.18	21.30	0.01	696.8	1.39	1.33	1.31
750.0	4.16	3.95	0.21	20.85	0.34	750.0	1.41	1.31	1.29
782.1	4.22	3.98	0.24	20.70	0.20	782.1	1.42	1.35	1.33
814.3	4.31	4.04	0.27	20.72	0.62	814.3	1.42	1.34	1.31
846.4	4.28	4.01	0.27	20.49	0.59	846.4	1.44	1.32	1.28
878.6	4.36	4.08	0.28	20.60	0.83	878.6	1.44	1.35	1.30
910.7	4.42	4.08	0.34	20.78	1.20	910.7	1.46	1.36	1.31
942.9	4.47	4.15	0.32	20.79	1.22	942.9	1.47	1.35	1.29
975.0	4.53	4.17	0.37	20.91	1.53	975.0	1.49	1.36	1.29
1007.1	4.71	4.32	0.39	21.06	1.88	1007.1	1.53	1.41	1.32
1039.3	4.80	4.41	0.40	20.88	2.03	1039.3	1.58	1.43	1.33
1071.4	4.98	4.56	0.41	20.14	2.62	1071.4	1.64	1.46	1.35
1103.6	5.29	4.85	0.43	19.29	2.99	1103.6	1.74	1.53	1.40
1135.7	5.66	5.18	0.48	18.13	3.22	1135.7	1.85	1.60	1.46

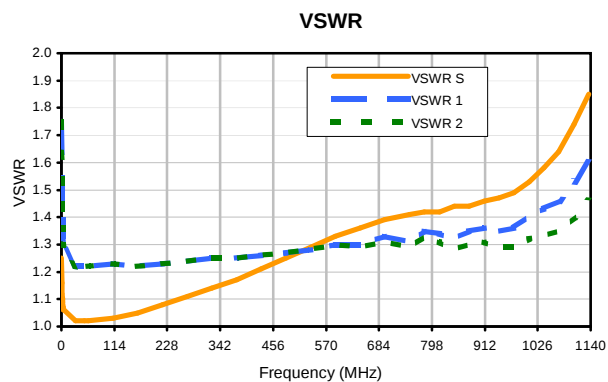
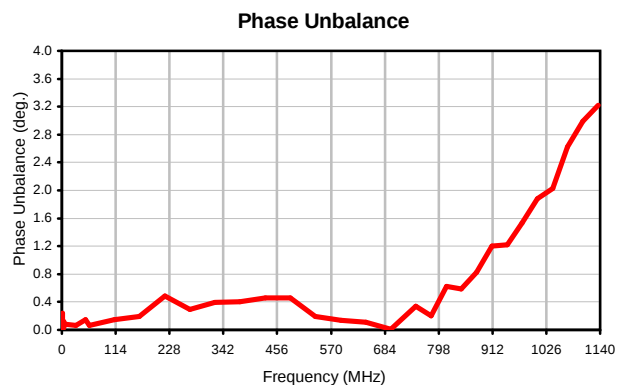
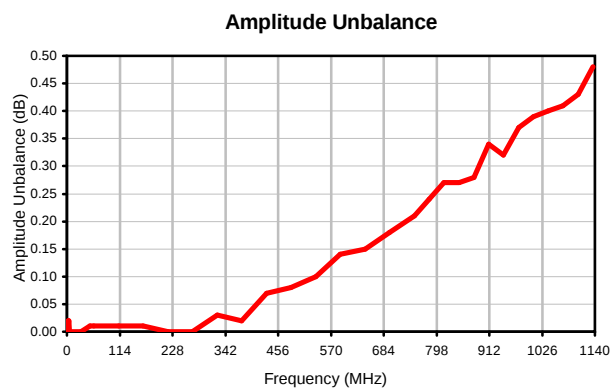
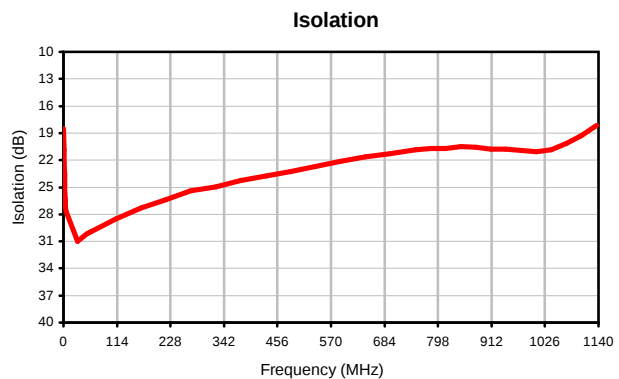
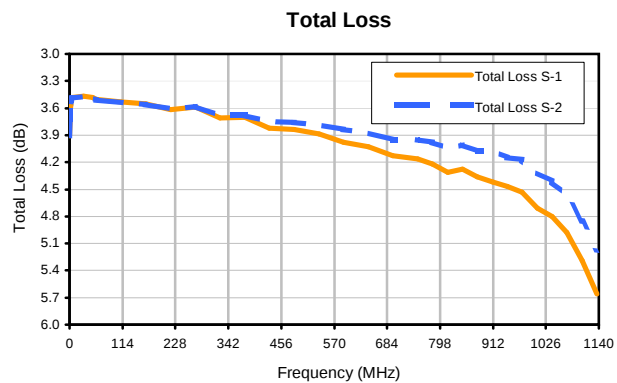
¹ Total Loss = Insertion Loss + 3dB Splitter Loss

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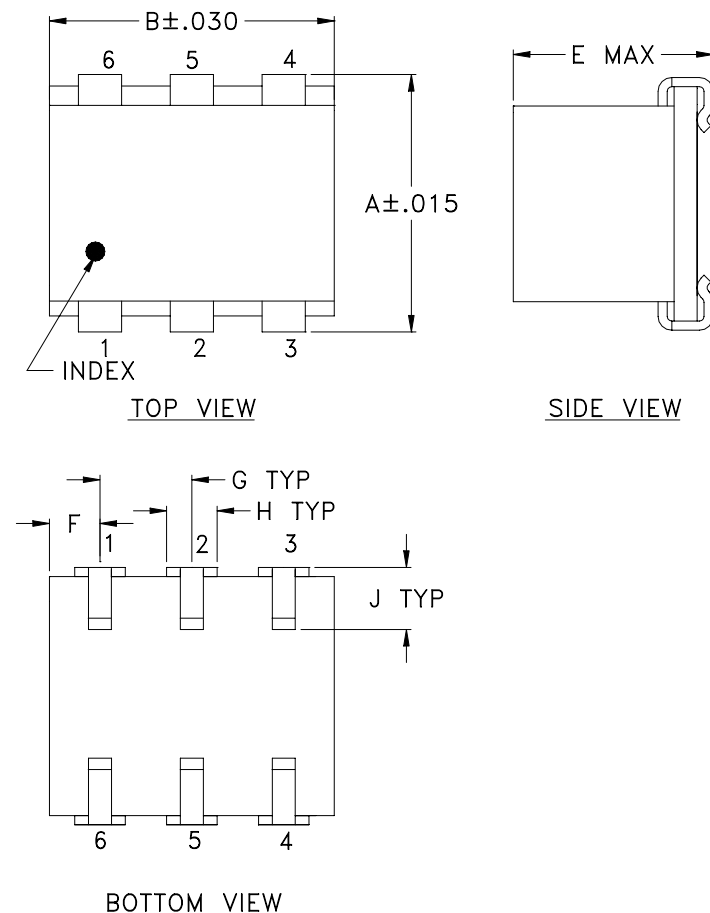
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Typical Performance Curves

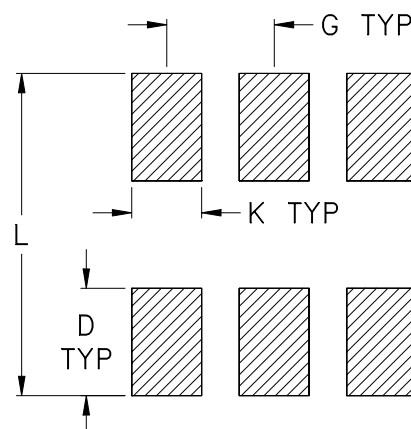


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Outline Dimensions



PCB Land Pattern



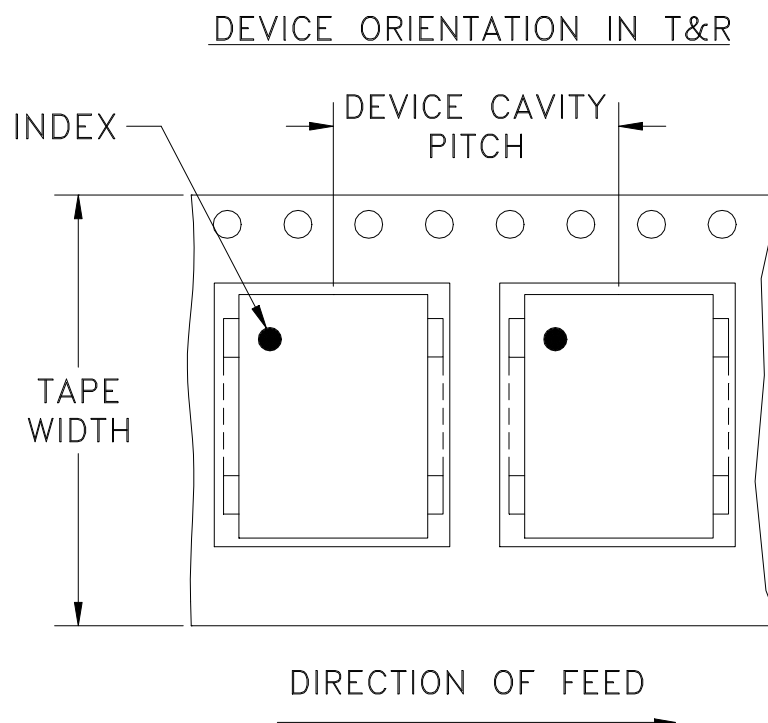
CASE #	A	B	C	D	E	F	G	H	J	K	L	WT. GRAM
BH292	.280 (7.11)	.310 (7.87)	- -	.100 (2.54)	.225 (5.72)	.055 (1.40)	.100 (2.54)	.047 (1.19)	.065 (1.65)	.065 (1.65)	.300 (7.62)	.45

Dimensions are in inches (mm). Tolerances: 2Pl. $\pm .01$; 3Pl. $\pm .005$

Notes:

- Case material: Ceramic.
- Termination finish:
For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.

Tape & Reel Packaging TR-F24



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
16	12	13	500

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