

Power Splitter/Combiner with amplifier

2 Way-0°

ZAPD-ED10492/2

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.



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CASE STYLE : 99-01-929

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1240		1900 MHz
Isolation	1240 - 1900 MHz		32	dB
Gain	1240 - 1900 MHz		2.85	dB
Amplitude Unbalance	1240 - 1900 MHz		0.35	dB
VSWR	SUM Port		1.27	(:1)
	OUT Ports		1.11	(:1)
Noise Figure	1545-1605 MHz		4.55	dB
DC Power			4.5-5.5	V

MAXIMUM RATINGS	
Operating Temperature	-5°C to 70°C
Storage Temperature	-5°C to 70°C

COAXIAL CONNECTIONS	
ANTENNA IN	J1
OUTPUT PROVIDING DC	J2
OUTPUT PROVIDING DC	J3, Right Angle

Functional Diagram



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Typical Performance Data

FREQUENCY (MHz)	GAIN (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	FREQUENCY (MHz)	VSWR (:1)			FREQUENCY (MHz)	NOISE FIGURE (dB)
	S-1	S-2				S	1	2		
1090.00	4.19	4.22	0.03	27.70	1090.00	2.53	1.18	1.27	1545.00	4.43
1120.00	4.09	4.13	0.04	28.20	1120.00	2.35	1.17	1.25	1547.00	4.40
1150.00	4.04	4.13	0.09	28.51	1150.00	2.20	1.16	1.24	1549.00	4.39
1180.00	3.99	4.12	0.13	28.92	1180.00	2.06	1.14	1.20	1551.00	4.36
1210.00	3.96	4.06	0.10	29.10	1210.00	1.94	1.12	1.18	1553.00	4.45
1240.00	3.84	3.95	0.11	29.62	1240.00	1.83	1.11	1.17	1555.00	4.43
1270.00	3.80	3.96	0.16	29.97	1270.00	1.73	1.10	1.14	1557.00	4.43
1300.00	3.77	3.89	0.12	30.55	1300.00	1.64	1.08	1.12	1559.00	4.47
1330.00	3.63	3.79	0.16	31.22	1330.00	1.56	1.07	1.11	1561.00	4.47
1360.00	3.61	3.78	0.17	31.18	1360.00	1.49	1.06	1.10	1563.00	4.50
1390.00	3.55	3.67	0.12	31.06	1390.00	1.42	1.04	1.09	1565.00	4.54
1420.00	3.38	3.51	0.13	31.33	1420.00	1.36	1.03	1.09	1567.00	4.54
1450.00	3.40	3.53	0.13	31.86	1450.00	1.31	1.03	1.10	1569.00	4.59
1480.00	3.27	3.31	0.04	31.35	1480.00	1.27	1.02	1.10	1571.00	4.60
1510.00	3.13	3.09	0.04	31.51	1510.00	1.24	1.02	1.12	1573.00	4.61
1540.00	3.09	2.89	0.20	32.36	1540.00	1.22	1.04	1.15	1575.00	4.64
1545.00	3.08	2.84	0.24	32.01	1545.00	1.21	1.04	1.15	1577.00	4.64
1550.00	3.06	2.76	0.30	32.05	1550.00	1.21	1.04	1.16	1579.00	4.63
1555.00	3.04	2.69	0.35	32.47	1555.00	1.21	1.04	1.16	1581.00	4.67
1560.00	3.02	2.61	0.41	32.30	1560.00	1.20	1.04	1.17	1583.00	4.66
1565.00	3.01	2.53	0.48	32.09	1565.00	1.20	1.04	1.17	1585.00	4.62
1570.00	2.99	2.46	0.53	32.01	1570.00	1.20	1.04	1.18	1587.00	4.66
1575.00	2.97	2.38	0.59	32.41	1575.00	1.19	1.04	1.18	1589.00	4.62
1580.00	2.96	2.33	0.63	32.96	1580.00	1.19	1.05	1.18	1591.00	4.61
1585.00	2.95	2.25	0.70	32.30	1585.00	1.18	1.04	1.18	1593.00	4.59
1590.00	2.93	2.20	0.73	32.63	1590.00	1.18	1.05	1.18	1595.00	4.60
1595.00	2.93	2.16	0.77	32.59	1595.00	1.18	1.05	1.18	1597.00	4.58
1600.00	2.90	2.13	0.77	32.99	1600.00	1.18	1.05	1.18	1599.00	4.55
1605.00	2.88	2.11	0.77	32.80	1605.00	1.17	1.06	1.18	1601.00	4.55
1615.00	2.84	2.15	0.69	33.24	1615.00	1.16	1.06	1.17	1603.00	4.54
1630.00	2.80	2.27	0.53	34.02	1630.00	1.16	1.07	1.15	1605.00	4.50
1645.00	2.73	2.41	0.32	32.49	1645.00	1.15	1.08	1.13		
1660.00	2.70	2.53	0.17	32.89	1660.00	1.15	1.08	1.10		
1690.00	2.57	2.63	0.06	32.80	1690.00	1.15	1.09	1.08		
1720.00	2.44	2.60	0.16	32.62	1720.00	1.15	1.11	1.09		
1750.00	2.35	2.57	0.22	32.24	1750.00	1.17	1.12	1.08		
1780.00	2.23	2.56	0.33	32.88	1780.00	1.18	1.13	1.09		
1810.00	2.10	2.38	0.28	32.56	1810.00	1.20	1.14	1.10		
1840.00	1.96	2.35	0.39	31.83	1840.00	1.23	1.16	1.10		
1870.00	1.81	2.27	0.46	32.33	1870.00	1.25	1.17	1.11		
1900.00	1.65	2.06	0.41	32.29	1900.00	1.28	1.18	1.12		



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

REV. X1

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Typical Performance Curves

