

Engineering Development Model

Power Splitter/Combiner*

2ZX10-ED13512

*2 Splitters with DIN connectors

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: 99-01-1345

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		600		1060 MHz
Isolation	600-1060 MHz		25	dB
Insertion Loss Above 3.0 dB	600-1060 MHz		.22	dB
Phase Unbalance	600-1060 MHz		1.50	deg.
Amplitude Unbalance	600-1060 MHz		0.05	dB
VSWR	SUM Port		1.17	(:1)
	OUT Ports		1.09	(:1)

MAXIMUM RATINGS	
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C

COAXIAL CONNECTIONS	
SUM PORT (Splitter A)	SA
PORT 1	A1
PORT 2	A2
SUM PORT (Splitter B)	SB
PORT 1	B1
PORT 2	B2

Functional Diagram



P.O. Box 350188, Brooklyn, New York 11235-0000 (718) 934-4500 Fax (718) 332-4851 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINICIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS



REV. X1
2ZX10-ED13512
12/15/2008
Page 1 of 1

2 Way-0° Power Splitter/Combiner 2ZX10-ED13512

Typical Performance Data

FREQ.	TOTAL LOSS ¹		AMPL. UNBAL.	ISOL.	PHASE UNBAL.	FREQ.	VSWR		
(MHz)	(dB)		(dB)	(dB)	(deg.)	(MHz)	(:1)		
	SA-A1	SA-A2		A1-A2			SA	A1	A2
600.00	3.27	3.29	0.02	15.91	1.21	600.00	1.45	1.08	1.08
620.00	3.25	3.27	0.02	16.79	1.23	620.00	1.41	1.08	1.08
640.00	3.24	3.26	0.02	17.75	1.27	640.00	1.38	1.08	1.09
660.00	3.23	3.25	0.02	18.83	1.27	660.00	1.35	1.08	1.09
680.00	3.21	3.23	0.02	20.05	1.30	680.00	1.31	1.08	1.09
700.00	3.20	3.22	0.02	21.45	1.32	700.00	1.27	1.07	1.09
720.00	3.19	3.21	0.02	23.07	1.35	720.00	1.24	1.07	1.08
740.00	3.18	3.20	0.02	25.03	1.41	740.00	1.20	1.06	1.08
760.00	3.17	3.19	0.03	27.36	1.42	760.00	1.17	1.06	1.08
780.00	3.16	3.19	0.03	30.05	1.46	780.00	1.13	1.05	1.08
800.00	3.15	3.18	0.03	32.36	1.49	800.00	1.09	1.04	1.08
805.00	3.15	3.18	0.03	32.62	1.50	805.00	1.09	1.04	1.08
810.00	3.15	3.18	0.03	32.67	1.49	810.00	1.08	1.04	1.08
815.00	3.15	3.18	0.03	32.53	1.51	815.00	1.07	1.04	1.08
820.00	3.15	3.18	0.03	32.17	1.52	820.00	1.06	1.04	1.08
825.00	3.15	3.18	0.03	31.69	1.53	825.00	1.05	1.04	1.08
830.00	3.15	3.18	0.03	31.10	1.54	830.00	1.04	1.04	1.08
835.00	3.15	3.18	0.03	30.44	1.55	835.00	1.04	1.04	1.08
840.00	3.15	3.19	0.03	29.79	1.56	840.00	1.03	1.04	1.08
845.00	3.15	3.19	0.03	29.14	1.56	845.00	1.03	1.04	1.08
849.00	3.15	3.19	0.03	28.61	1.57	849.00	1.02	1.04	1.09
855.00	3.15	3.19	0.03	27.85	1.57	855.00	1.03	1.05	1.09
860.00	3.16	3.19	0.03	27.25	1.58	860.00	1.03	1.05	1.09
865.00	3.16	3.19	0.03	26.69	1.59	865.00	1.04	1.05	1.09
870.00	3.16	3.19	0.03	26.14	1.60	870.00	1.04	1.05	1.10
900.00	3.17	3.21	0.04	23.34	1.66	900.00	1.10	1.08	1.12
940.00	3.19	3.24	0.04	20.62	1.74	940.00	1.18	1.12	1.16
980.00	3.23	3.28	0.05	18.65	1.80	980.00	1.27	1.17	1.21
1020.00	3.29	3.34	0.05	17.11	1.86	1020.00	1.37	1.23	1.27
1060.00	3.35	3.41	0.05	15.87	1.93	1060.00	1.47	1.29	1.34

¹Total Loss = Insertion Loss + 3dB Splitter Loss

2 Way-0° Power Splitter/Combiner

2ZX10-ED13512

Typical Performance Curves

