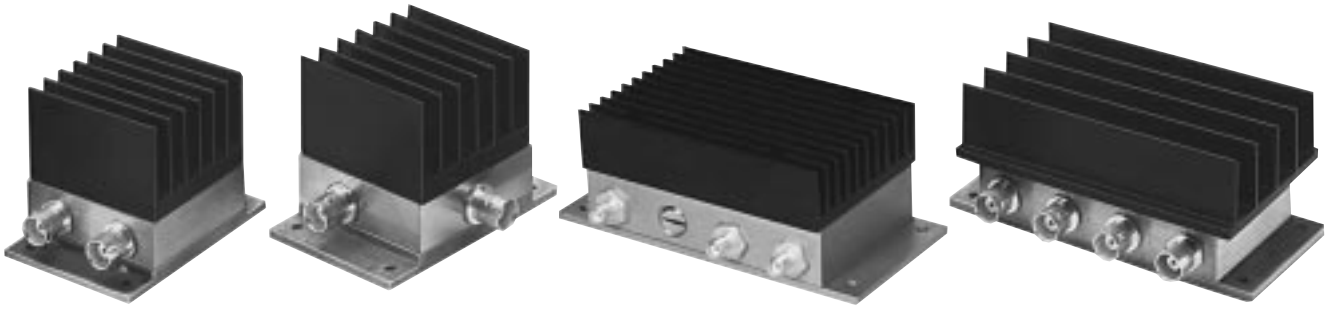
HIGH POWER COMBINERS/SPLITTERS

2,3 AND 4 WAY 2 MHz to 2100 MHz



ZA2CS ZA3CS ZB3CS ZB4CS

	MODEL NO.	No. of WAYS	FREQ. RANGE MHz f_L-f_U	ISOLATION dB Typ.	ISOLATION dB Min.	INSERTION LOSS+ dB (above theoretical) Typ.	INSERTION LOSS+ dB (above theoretical) Max.	PHASE UNBALANCE Degrees Typ.	PHASE UNBALANCE Degrees Max.	AMPLITUDE UNBALANCE dB Typ.	AMPLITUDE UNBALANCE dB Max.	POWER INPUT, W[1] as Combiner[2] Max.	POWER INPUT, W[1] as Splitter Max.	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
	ZA2CS-500-15W	2	200-500	31	20	0.3	1.0	0.3	3.0	0.10	0.4	15	15	AW254	—	74.95
	ZA2CS-600-10W	2	100-600	27	15	0.4	1.3	0.4	3.0	0.15	0.5	10	10	AW254	—	74.95
▲	ZA2CS-2G-20W	2	1800-2000	30	20	0.2	0.5	0.5	4.0	0.05	0.2	20	20	AW254	—	89.95
	ZA2CS-10-20W	2	900-1000	38	20	0.2	0.5	0.5	3.0	0.11	0.3	20	20	AW254	—	89.95
	ZAPD-2-21-3W*	2	700-2100	25	20	0.4	1.2	0.7	3.0	0.05	0.3	2.5	10	F53	—	49.95
	ZA3CS-400-3W*	3	2-400	25	17	0.5	1.2	0.2	3.0	0.15	0.5	3	10	CC258	—	59.95
	ZA3CS-450-9W	3	100-450	22	15	0.9	1.8	2.5	8.0	0.20	0.7	9	12	AX255	—	99.95
	ZB3CS-640-6W*	3	424-640	27	20	0.2	0.7	2.0	5.0	.06	0.3	6	20	Z667	—	69.95
	ZB3CS-900-6W*	3	440-900	24	17	0.2	1.0	3.0	6.0	0.1	0.4	6	20	Z667	—	79.95
▲	ZB3CS-920-15W	3	825-920	27	17	0.2	0.8	1.7	6.0	0.11	0.5	15	15	AW256	—	114.95
	ZB4CS-440-12W	4	100-440	27	17	0.6	1.2	0.8	4.0	0.15	0.5	12	10	AW256	—	134.95
NEW	ZB4CS-700-10W*	4	400-700	25	20	0.35	0.8	0.6	4.0	0.1	0.3	10	20	Z689	—	134.95
	ZB4CS-870-10W*	4	570-870	28	20	0.35	0.8	0.6	3.0	0.1	0.3	10	20	Z689	—	134.95
▲	ZB4CS-960-12W	4	820-960	28	17	0.3	0.8	2.0	6.0	0.2	0.6	12	12	AW256	—	134.95

features

- low insertion loss
- very low amplitude unbalance
- low phase unbalance
- as a combiner, ideal for VHF transmitter applications
- cellular applications

+Theoretical Insertion Loss

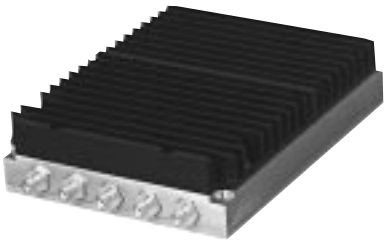
2-Way ..... 3.0 dB
3-Way ..... 4.8 dB
4-Way ..... 6.0 dB
5-Way ..... 7.0 dB
6-Way ..... 7.8 dB
8-Way ..... 9.0 dB

NSN GUIDE

MCL NO.	NSN
ZA2CS-500-15W(N)	1680-01-434-4480

001106

5,6 AND 8 WAY 50 MHz to 950 MHz



ZB5PD

ZB5CS

ZB6CS

ZB8CS

	MODEL NO.	No. of WAYS	FREQ. RANGE MHz f_L-f_U	ISOLATION dB Typ.	ISOLATION dB Min.	INSERTION LOSS+ dB (above theoretical) Typ.	INSERTION LOSS+ dB (above theoretical) Max.	PHASE UNBALANCE Degrees Typ.	PHASE UNBALANCE Degrees Max.	AMPLITUDE UNBALANCE dB Typ.	AMPLITUDE UNBALANCE dB Max.	POWER INPUT, W[1] as Combiner[2] Max.	POWER INPUT, W[1] as Splitter Max.	CASE STYLE Note B	CONNECTION	PRICE $ Qty. (1-9)
NEW	ZB5CS-920-10W	5	450-920	26	18	0.4	1.0	2.0	7.0	0.10	0.6	10	20	Z668	—	144.95
▲	ZB5PD-894-50W	5	800-894	32	20	0.4	0.8	—	—	0.15	0.45	50	50	BV278	—	274.95
	ZB6CS-150-12W	6	50-150	32	20	0.5	1.2	3.0	9.0	0.15	0.5	12	10	Z259	—	159.95
	ZB8CS-950-32W	8	800-950	30	18	0.4	1.0	2.0	6.0	0.10	0.5	32	32	AW257	—	199.95

NOTES:

▲ Available only with SMA connectors

A. General Quality Control Procedures, Environmental Specifications are given in section 0, see "Mini-Circuits Guarantees Quality" article.

B. Connector types and case mounted option, case finishes are given in section 0, see "Case styles & Outline drawings".

C. Prices and Specifications subject to change without notice.

Photo for ZAPD-2-21-3W not shown. See outline drawing F53.

* Photo for ZA3CS-400-3W not shown. See outline drawing CC258.
Photo for ZB3CS-640-6W, ZB3CS-900-6W not shown. See outline drawing Z667.
Photo for ZB4CS-700-10W & ZB4CS-870-10W not shown. See outline drawing Z689.

1. Over -55°C to +55°C. Derate linearly to 20% of rating at 90°C.
2. As a combiner of noncoherent signals, max. power per port is power rating divided by number of ports.
3. Operating temperature: -55°C to 90°C
   Storage temperature: -55°C to 100°C

001129