



MAC Technology Inc.

eCATALOG

MAC Product Features

Ordering and Shipping Information

Octave Band Directional Couplers

Wideband Directional Couplers

90 Degree Hybrid Quadrature Couplers

Wilkinson Stripline 2-Way Power Dividers

Wilkinson Stripline 4-Way Power Dividers

Wilkinson Stripline 8-Way Power Dividers

High Power Directional Couplers

Dual High Power Directional Couplers

Octave Band Dual Directional Couplers

Definitions and Terminology

MAC Technology Inc.
3104 South Side Bypass
Klamath Falls, OR 97603
Tel: 541-883-3352, 800-428-0341
Fax: 541-884-2752, 800-344-0846
email: mactech@kfalls.net

MAC Technology Inc.

MAC Technology, Inc. manufactures a variety of high-reliability precision microwave products. Our facility, located in southern Oregon, is more than 90% self-contained, allowing fast turn-around for standard and custom products.

FEATURES:

- **STANDARD PRODUCT LINE COVERING 500 MHz to 18.0 GHz.**
- **PRECISION MACHINED HOUSING ALLOWING HIGH RF SHIELDING.**
- **MEETS OR EXCEEDS THE REQUIREMENTS OF MIL-E-5400 & MIL-E-16400.**
- **PRODUCTS HAVE BEEN QUALIFIED FOR USE IN GROUND BASE, SHIP BOARD AND AIRBORNE SYSTEMS, PCS & CELL SITES, MILITARY AND SPACE APPLICATIONS.**
- **A WIDE VARIETY OF CUSTOM CONFIGUREATIONS ARE AVAILABLE.**

ORDERING AND SHIPPING INFORMATION

HOW TO ORDER: Orders may be placed directly with MAC Technology. Please include the part number, frequency range, part description and shipping instructions with all orders. Place orders by telephone

[800] 428-0341 or [541] 883-3352 or by FAX [800] 344-0846 or [541] 884-2752.
email: mactech@kfalls.net

SHIPPING: Domestic shipments are made via UPS Blue or Fed-X Economy unless otherwise specified.

PRICING AND TERMS: Prices and availability may be obtained directly from MAC Technology. All sales are FOB Klamath Falls, OR. Terms of payment are Net 30 Days.

WARRANTY: Microwave Advanced Technology Inc. (MAC Technology) warrants each product to be free from defects in workmanship and materials for one year from the date of shipment. Any product found defective under normal use during this one year period will be repaired or replaced without charge. MAC Technology shall not be liable for installation or consequential damages. MAC Technology makes no other warranty expressed or implied.



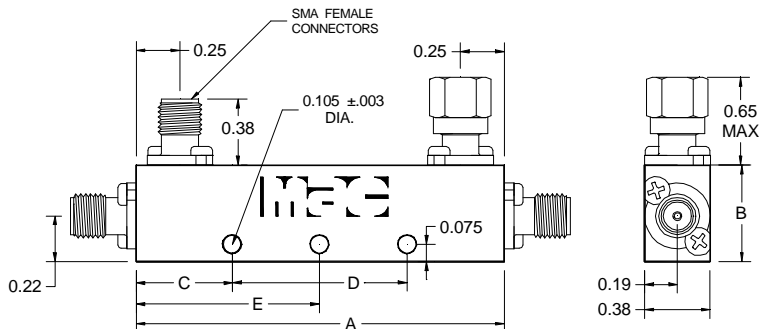
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MAC Technology Inc. OCTAVE BAND DIRECTIONAL COUPLERS

C3200 SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	COUPLING* [dB]	FREQ. SENSITIVITY [±dB]	INSERTION LOSS [dB MAX]		DIREC-TIVITY [dB Min]	VSWR [MAX]		POWER [WATTS MAX]			OUT-LINE
				EXCLUDING COUPLED POWER	TRUE		PRI. LINE	SEC. LINE	AVERAGE INCIDENT	AVERAGE REFLECTED	PEAK	
0.5-1	C3202-6	6 ±1.00	0.6	0.20	1.80	25	1.15	1.15	50	2	3K	1
	C3202-10	10 ±1.25	0.75	0.20	0.80	25	1.10	1.10	50	5	3K	1
	C3202-20	20 ±1.25	0.75	0.15	0.20	25	1.10	1.10	50	50	3K	1
	C3202-30	30 ±1.25	0.75	0.15	0.20	25	1.10	1.10	50	50	3K	2
1-2	C3203-6	6 ±1.00	0.6	0.20	1.80	25	1.15	1.15	50	2	3K	3
	C3203-10	10 ±1.25	0.75	0.20	0.80	25	1.10	1.10	50	5	3K	3
	C3203-20	20 ±1.25	0.75	0.15	0.20	25	1.10	1.10	50	50	3K	3
	C3203-30	30 ±1.25	0.75	0.15	0.20	25	1.10	1.10	50	50	3K	4
2-4	C3204-6	6 ±1.00	0.6	0.20	1.80	22	1.15	1.15	50	2	3K	5
	C3204-10	10 ±1.25	0.75	0.20	0.80	22	1.15	1.15	50	5	3K	5
	C3204-20	20 ±1.25	0.75	0.15	0.20	22	1.15	1.15	50	50	3K	5
	C3204-30	30 ±1.25	0.75	0.15	0.20	22	1.15	1.15	50	50	3K	6
2.6-5.2	C3245-6	6 ±1.00	0.6	0.20	1.80	20	1.25	1.25	50	2	3K	7
	C3245-10	10 ±1.25	0.75	0.20	0.80	20	1.25	1.25	50	5	3K	7
	C3245-20	20 ±1.25	0.75	0.20	0.25	20	1.25	1.25	50	50	3K	7
	C3245-30	30 ±1.25	0.75	0.20	0.20	20	1.25	1.25	50	50	3K	8
4-8	C3205-6	6 ±1.00	0.6	0.25	1.90	20	1.25	1.25	50	2	3K	7
	C3205-10	10 ±1.25	0.75	0.25	0.90	20	1.25	1.25	50	5	3K	7
	C3205-20	20 ±1.25	0.75	0.25	0.30	20	1.25	1.25	50	50	3K	7
	C3205-30	30 ±1.25	0.75	0.25	0.25	20	1.25	1.25	50	50	3K	8
7-12.4	C3206-6	6 ±1.00	0.5	0.30	2.00	17	1.30	1.30	50	2	3K	7
	C3206-10	10 ±1.00	0.5	0.30	1.00	17	1.30	1.30	50	5	3K	7
	C3206-20	20 ±1.00	0.5	0.30	0.35	17	1.30	1.30	50	50	3K	7
	C3206-30	30 ±1.00	0.5	0.30	0.30	17	1.30	1.30	50	50	3K	8
7.5-16	C3267-6	6 ±1.00	0.6	0.60	2.20	15	1.35	1.40	50	2	2K	7
	C3267-10	10 ±1.25	0.75	0.60	1.20	15	1.35	1.40	50	5	2K	7
	C3267-20	20 ±1.25	0.75	0.60	0.55	15	1.35	1.40	50	50	2K	9
	C3267-30	30 ±1.25	0.75	0.60	0.50	15	1.35	1.40	50	50	2K	9
12.4-18	C3207-6	6 ±1.00	0.5	0.60	2.20	12	1.35	1.40	50	2	1K	7
	C3207-10	10 ±1.00	0.5	0.60	1.20	12	1.35	1.40	50	5	1K	7
	C3207-20	20 ±1.00	0.5	0.50	0.55	15	1.35	1.40	50	50	1K	9
	C3207-30	30 ±1.00	0.5	0.50	0.50	15	1.35	1.40	50	50	1K	9

* includes frequency sensitivity. Specifications subject to change without notice.



OUTLINE	A	B	C	D	E
1	3.10	0.50	0.80	1.50	-
2	3.10	0.55	0.80	1.50	-
3	1.78	0.50	0.42	0.94	-
4	1.78	0.55	0.42	0.94	-
5	1.16	0.50	0.41	0.34	-
6	1.16	0.55	0.41	0.34	-
7	1.00	0.50	-	-	0.50
8	1.00	0.55	-	-	0.50
9	1.00	0.60	-	-	0.50



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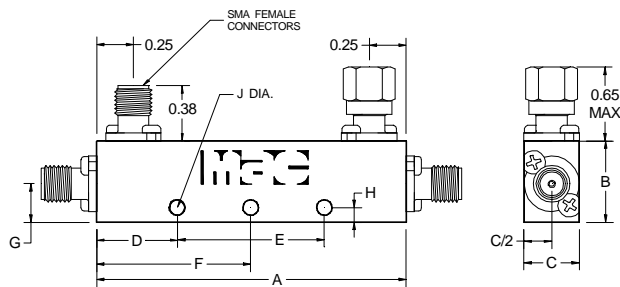
MAC Technology Inc.

WIDEBAND DIRECTIONAL COUPLERS

C2000-C4200 SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	COUPLING* [dB]	FREQUENCY SENSITIVITY [±dB]	INSERTION LOSS [dB MAX]		DIRECTIVITY [dB Min]	VSWR [MAX]		POWER [WATTS MAX]			OUT-LINE
				EXCLUDING COUPLED POWER	TRUE		PRI. LINE	SEC. LINE	AVERAGE INCIDENT	AVERAGE REFLECTED	PEAK	
0.5-2	C2023-6	6 ±1.00	0.75	0.35	2.00	23	1.20	1.20	50	2	3K	1
	C2023-10	10 ±1.00	0.75	0.35	0.90	23	1.20	1.20	50	5	3K	1
	C2023-20	20 ±1.00	0.75	0.35	0.40	23	1.20	1.20	50	50	3K	2
	C2023-30	30 ±1.00	0.8	0.40	0.40	20	1.20	1.20	50	50	3K	17
1-4	C2034-6	6 ±1.00	0.5	0.35	2.00	23	1.20	1.20	50	2	3K	3
	C2034-10	10 ±1.00	0.5	0.35	0.90	23	1.20	1.20	50	5	3K	3
	C2034-20	20 ±1.00	0.5	0.40	0.45	23	1.20	1.20	50	50	3K	4
2-8	C2045-6	6 ±1.00	0.3	0.50	2.20	20	1.25	1.25	50	2	3K	5
	C2045-10	10 ±1.00	0.3	0.35	1.00	20	1.25	1.25	50	5	3K	5
	C2045-20	20 ±1.00	0.4	0.40	0.45	20	1.25	1.25	50	50	3K	6
4-12.4	C2056-6	6 ±1.00	0.3	0.50	2.20	17	1.30	1.30	50	2	2K	7
	C2056-10	10 ±1.00	0.3	0.50	1.20	17	1.30	1.30	50	5	2K	7
	C2056-20	20 ±1.00	0.4	0.50	0.55	17	1.30	1.30	50	50	2K	8
7-18	C2068-10	10 ±1.25	0.75	0.60	1.10	15	1.35	1.40	50	5	1K	9
6-18	C2068-20	20 ±1.25	0.6	0.60	0.60	15	1.35	1.40	35	35	1K	9
0.6-4	C4224-10	10 ±1.00	0.75	0.40	0.90	18	1.25	1.30	50	5	3K	10
1-18 [2]	C4238-10	10 ±1.00	0.5	0.90	1.50	1-12.4 12.4-18 15 12	1.40	1.50	25	5	1K	11
	C4238-16	16 ±1.00	0.5	0.80	0.90	15 12	1.40	1.50	25	20	1K	12
	C4238-20	20 ±1.00	0.5	0.80	0.90	15 12	1.40	1.50	25	25	1K	12
2-18 [2]	C4248-6	6 ±1.00	0.5	0.90	2.00	2-12.4 12.4-18 15 12	1.40	1.50	25	2	1K	13
	C4248-10	10 ±1.00	0.5	0.80	1.30	15 12	1.40	1.50	25	5	1K	13
	C4248-16	16 ±1.00	0.5	0.80	0.90	15 12	1.35	1.40	25	20	1K	14
	C4248-20	20 ±1.00	0.5	0.80	0.90	15 12	1.35	1.40	25	25	1K	14
4-18	C4258-6	6 ±1.00	0.5	0.90	2.00	4-12.4 12.4-18 15 12	1.35	1.40	25	2	1K	15
	C4258-10	10 ±1.00	0.5	0.80	1.00	15 12	1.35	1.40	25	5	1K	15
	C4258-20	20 ±1.00	0.5	0.60	0.70	15 12	1.40	1.40	25	25	1K	16

* Includes frequency sensitivity. Specifications subject to change without notice. [2] Coupling relative to output power.



OUTLINE	A	B	C	D	E	F	G	H	J
1	3.60	0.53	0.38	0.50	2.60	-	0.22	0.075	0.105
2	3.60	0.60	0.38	0.50	2.60	-	0.22	0.075	0.105
3	2.90	0.68	0.38	0.45	2.00	-	0.34	0.15	0.149
4	2.90	0.60	0.38	0.45	2.00	-	0.22	0.075	0.105
5	1.78	0.68	0.38	0.45	0.875	-	0.34	0.15	0.149
6	1.88	0.60	0.38	0.44	1.00	-	0.22	0.075	0.105
7	1.22	0.55	0.38	0.42	0.375	-	0.22	0.075	0.105
8	1.22	0.60	0.38	0.42	0.375	-	0.22	0.075	0.105
9	1.00	0.50	0.38	-	-	0.5	0.22	0.075	0.105
10	4.40	0.60	0.38	0.50	3.40	-	0.24	0.075	0.105
11	3.47	0.70	0.38	0.74	2.00	-	0.26	0.10	0.105
12	3.47	0.70	0.50	0.74	2.00	-	0.26	0.34	[1]
13	2.10	0.70	0.38	0.55	1.00	-	0.26	0.10	0.105
14	2.09	0.70	0.50	0.55	1.00	-	0.26	0.34	[1]
15	1.36	0.60	0.38	0.43	0.50	-	0.26	0.09	0.105
16	1.36	0.66	0.38	0.43	0.50	-	0.26	0.09	0.105
17	3.70	0.70	0.38	0.50	2.70	-	0.22	0.075	0.105

[1] #2-56NC-2B X 0.12 deep.



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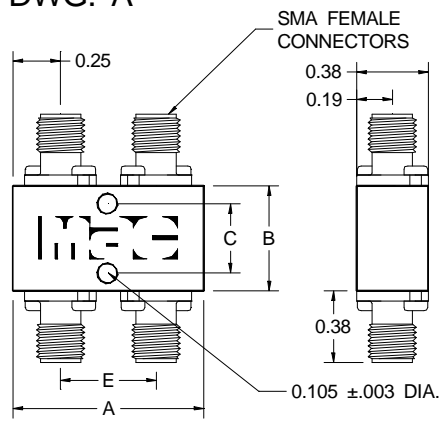
MAC Technology Inc. 90° HYBRID QUADRATURE COUPLERS

C7200 SERIES

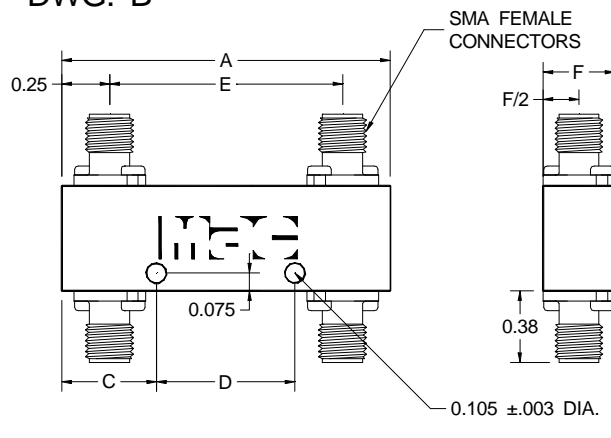
FREQ- UENCY RANGE [GHz]	MODEL NUMBER	COUPLING* OR THRU- LOSS [dB]	FREQ. SENSI- TIVITY [±dB]	ISOLATION [dB Min]	VSWR [MAX]	POWER [WATTS MAX]		OUTLINE
						AVERAGE	PEAK	
0.5-1	C7202	3.1 +0.6	0.5	28	1.10	50	3K	4
1-2	C7203	3.1 +0.6	0.5	28	1.10	50	3K	5
2-4	C7204	3.1 ±0.6	0.5	22	1.20	50	3K	1
2.6-5.2	C7245	3.1 ±0.6	0.5	20	1.25	50	3K	2
4-8	C7205	3.2 +0.7	0.5	18	1.30	50	3K	2
2-8	C7246	3.3 +0.8	0.4	17	1.30	30	3K	6
4-12.4	C7256	3.3 +0.8	0.4	15	1.50	20	2K	7
6-12.4	C7206	3.2 +0.7	0.5	18	1.35	50	3K	2
7.5-16	C7267	3.4 +0.9	0.6	15	1.45	40	2K	3
12-18	C7207	3.4 +1.0	0.7	15	1.50	40	1K	3

* Includes frequency sensitivity. Specifications subject to change without notice.

DWG. A



DWG. B



OUTLINE	A	B	C	D	E	F	DWG
1	1.15	0.50	0.314	0.58	0.66	-	A
2	1.00	0.50	0.314	0.50	0.50	-	A
3	1.00	0.58	0.392	0.50	0.50	-	A
4	3.06	0.50	0.84	1.37	2.56	0.38	B
5	1.78	0.50	0.62	0.50	1.28	0.38	B
6	2.60	0.75	0.67	1.26	2.10	0.44	B
7	1.72	0.60	0.61	0.50	1.22	0.50	B



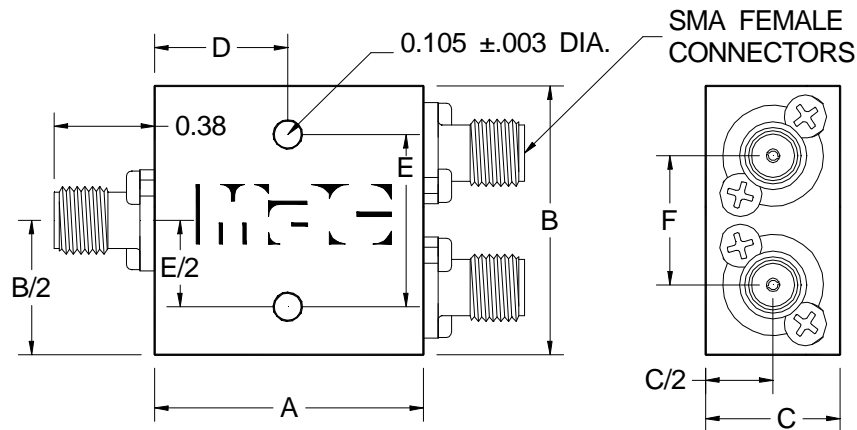
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MAC Technology Inc. WILKINSON STRIPLINE 2-WAY POWER DIVIDERS

P8200 SERIES

FREQ- UENCY RANGE [GHz]	MODEL NUMBER	ISOLATION [dB MIN]	INSERTION LOSS [dB MAX]	AMPLITUDE BALANCE [dB MAX]	PHASE BALANCE [DEGREES] [MAX]	VSWR [MAX]		POWER [WATTS MAX] @			OUT- LINE
						INPUT	OUT- PUT	1.2:1 LOAD VSWR	2.0:1 LOAD VSWR	INF. LOAD VSWR	
0.5-1	P8202-2	22	0.20	0.2	2.0	1.20	1.10	30	10	1	4
0.5-4	P8224-2	20	0.50	0.2	4.0	1.30	1.20	30	10	1	6
1-2	P8203-2	22	0.25	0.2	3.0	1.25	1.20	30	10	1	2
2-4	P8204-2	20	0.30	0.2	4.0	1.30	1.25	30	10	1	2
3-5	P8242-2	20	0.35	0.2	4.0	1.30	1.30	30	10	1	2
4-8	P8205-2	20	0.35	0.2	4.0	1.30	1.30	30	10	1	1
2-8	P8245-2	20	0.40	0.2	4.0	1.35	1.35	30	10	1	3
7-12.4	P8206-2	20	0.40	0.2	5.0	1.30	1.35	30	10	1	1
12-18	P8267-2	20	0.60	0.2	5.0	1.35	1.40	30	10	1	1
8-18	P8268-2	20	0.60	0.2	5.0	1.35	1.40	30	10	1	1
2-18	P8248-2	17	1.00	0.3	5.0	1.50	1.50	30	10	1	5

Specifications subject to change without notice.



OUTLINE	A	B	C	D	E	F
1	1.00	1.00	0.50	0.50	0.64	0.50
2	1.50	1.50	0.50	0.75	1.31	1.00
3	2.00	1.50	0.50	1.00	1.31	1.00
4	1.50	2.50	0.50	0.53	2.31	1.00
5	1.62	1.00	0.38	0.75	0.85	0.50
6	3.00	1.50	0.50	1.50	1.31	1.00

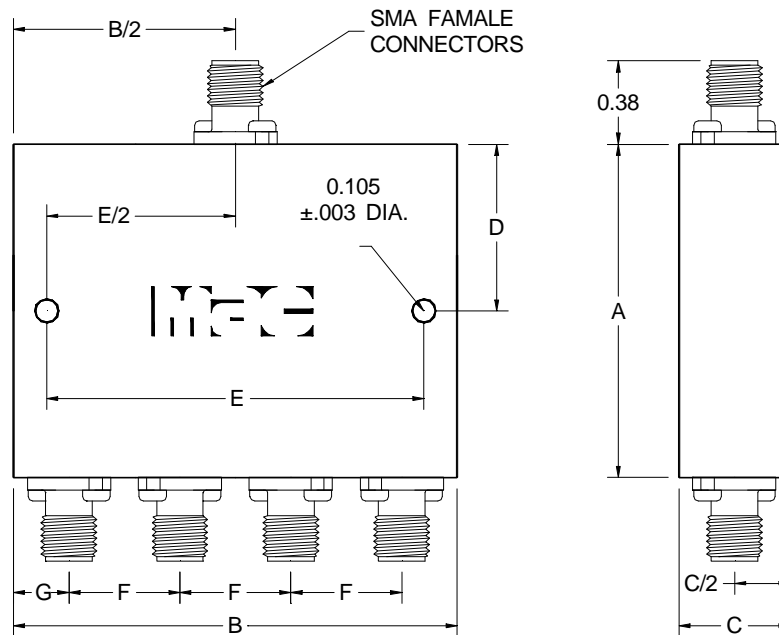


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P8200 SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	ISOLATION [dB MIN]	INSERTION LOSS [dB MAX]	AMPLITUDE BALANCE [dB MAX]	PHASE BALANCE [°MAX]	VSWR [MAX]		POWER [WATTS MAX] @			OUTLINE
						INPUT	OUTPUT	1.2:1 LOAD VSWR	2.0:1 LOAD VSWR	INF. LOAD VSWR	
0.5-1	P8202-4	20	0.40	0.2	4.0	1.30	1.20	30	10	1	7
1-2	P8203-4	20	0.60	0.3	5.0	1.50	1.25	30	10	1	5
2-4	P8204-4	20	0.60	0.6	6.0	1.40	1.30	30	10	1	4
3-5	P8242-4	20	0.50	0.3	4.0	1.45	1.30	30	10	1	2
4-8	P8205-4	20	0.40	0.3	4.0	1.35	1.30	30	10	1	3
7-12.4	P8206-4	16	0.80	0.6	6.0	1.35	1.45	30	10	1	1
12-18	P8267-4	18	1.00	0.6	6.0	1.50	1.50	30	10	1	3
8-18	P8268-4	18	1.00	0.6	6.0	1.50	1.50	30	10	1	3
2-18	P8248-4	14	1.50	0.6	6.0	1.60	1.50	30	10	1	6

Specifications subject to change without notice.



OUTLINE	A	B	C	D	E	F	G
1	1.28	2.75	0.50	0.64	2.06	0.69	0.34
2	1.78	2.75	0.50	0.89	2.06	0.69	0.34
3	2.00	2.00	0.38	1.00	1.70	0.50	0.25
4	2.20	2.65	0.50	1.10	2.45	0.65	0.35
5	2.50	2.75	0.38	1.25	2.50	0.69	0.34
6	2.85	2.00	0.38	.95/1.9	1.70	0.50	0.25
7	3.40	3.60	0.50	1.70	3.40	1.00	0.30



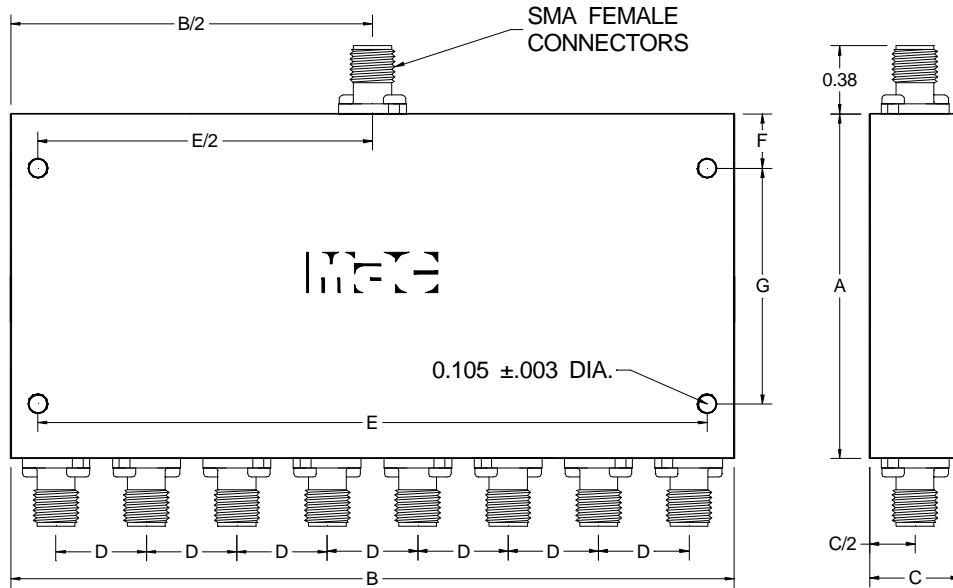
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P8200 SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	ISOLATION [dB MIN]	INSERTION LOSS [dB MAX]	AMPLITUDE BALANCE [dB MAX]	PHASE BALANCE [° MAX]	VSWR [MAX]		POWER [WATTS MAX] @			OUTLINE
						INPUT	OUTPUT	1.2:1 LOAD VSWR	2.0:1 LOAD VSWR	INF. LOAD VSWR	
.74-.96	PA8202-	20	0.5	0.2	3.0	1.40	1.20	30	10	1	4
1.3-1.76	PA8203-	19	0.4	0.2	4.0	1.35	1.20	30	10	1	2
2-4	P8204-8	18	1.0	0.4	5.0	1.60	1.30	30	10	1	2
3.6-4.3	P8242-8	20	0.8	0.4	5.0	1.35	1.35	30	10	1	3
4-8	P8205-8	20	0.8	0.8	6.0	1.35	1.35	30	10	1	2
7-12.4	P8206-8	16	0.8	0.6	6.0	1.55	1.45	30	10	1	1
12-18	P8267-8	15	1.5	0.6	6.0	1.60	1.50	30	10	1	1
8-18	P8268-8	15	2.0	0.6	6.0	1.60	1.50	30	10	1	1
2-18	P8248-8	14	2.5	0.6	10.0	2.10	1.30	30	10	1	5

Specifications subject to change without notice.



OUTLINE	A	B	C	D	E	F	G
1	2.40	4.00	0.38	0.50	3.80	0.30	1.80
2	2.45	5.20	0.38	0.60	4.95	0.48	1.50
3	3.50	5.20	0.38	0.60	5.00	1.80	-
4	3.80	5.50	0.50	0.69	5.10	0.50	2.60
5	4.95	5.20	0.50	0.60	4.95	1.05	2.85



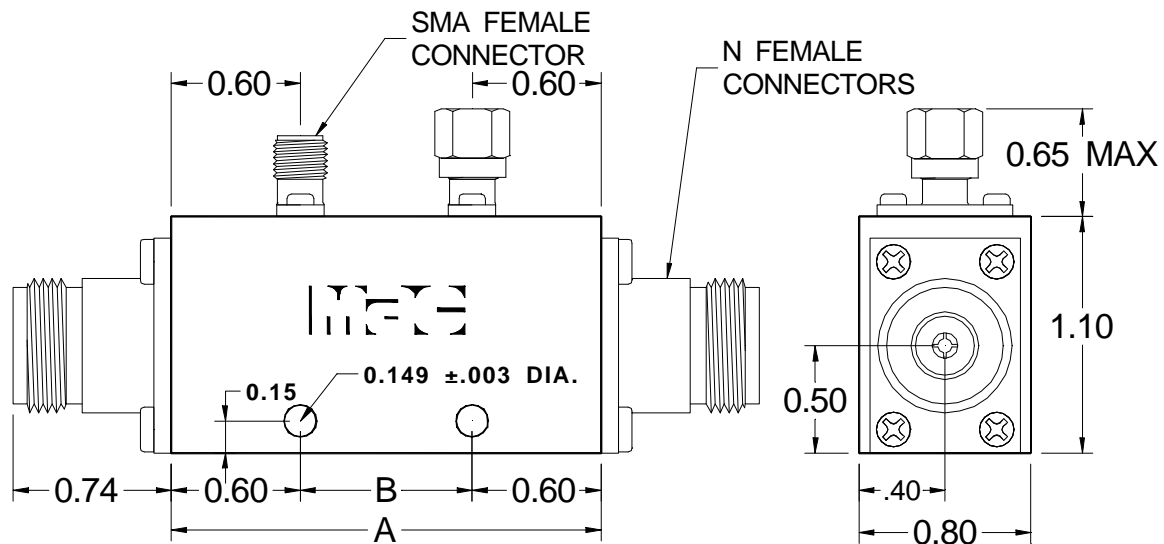
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MAC Technology Inc. HIGH POWER DIRECTIONAL COUPLERS

C2300-C3300 SERIES

FREQ- UENCY RANGE [GHz]	MODEL NUMBER	COUPLING * [dB]	FREQ. SENSI- TIVITY [±dB]	INSERTION LOSS [dB MAX]	DIREC- TIVITY [dB MIN]	VSWR PRIMARY LINE [MAX]	POWER [WATTS MAX]		OUTLINE DIMENSION	
							AVERAGE	PEAK	A	B
.75-1.5	C2321-X	X +1.0	0.75	0.2	18	1.20	600	10K	3.85	2.65
0.5-2	C2323-X	X +1.0	0.75	0.2	18	1.20	600	10K	6.00	4.80
1-2	C2303-X	X +1.0	0.75	0.2	18	1.15	600	10K	3.50	2.30
2-4	C2304-X	X +1.0	0.75	0.2	18	1.15	600	10K	2.50	1.30
1-4	C3333-X	X +1.0	0.7	0.2	15	1.20	600	10K	3.85	2.65
1.5-4.5	C3334-X	X +1.0	0.6	0.2	18	1.20	600	10K	3.50	2.30
2.6-5.2	C2345-X	X +1.0	0.75	0.2	18	1.25	600	10K	2.50	1.30
4-8	C2305-X	X +1.0	0.75	0.2	17	1.30	600	10K	2.00	0.80
2-8	C3345-X	X +1.0	0.6	0.2	16	1.30	600	10K	3.00	1.80
7-11	C2306-X	X +1.0	0.5	0.2	16	1.30	600	10K	2.00	0.80
5-11	C2356-X	X +1.0	0.5	0.2	15	1.30	600	10K	2.00	0.80
4-12	C3356-X	X +1.0	0.6	0.2	15	1.30	600	10K	2.50	1.30
1-11	C2336-35	35 ±1.5	1.5	0.2	15	1.30	600	10K	3.85	2.65

* Includes frequency sensitivity, X to be selected at -30dB thru -50dB. Specifications subject to change without notice.



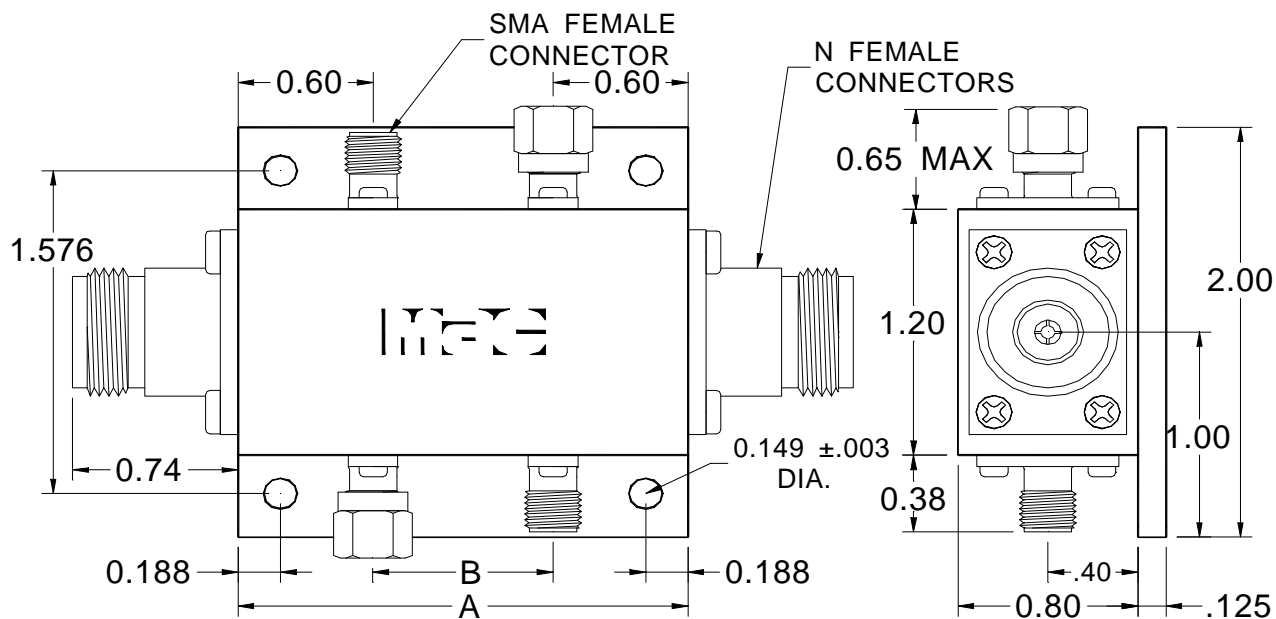
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MAC Technology Inc. DUAL HIGH POWER DIRECTIONAL COUPLERS

C1100B SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	COUPLING* [dB]	FREQUENCY SENSITIVITY [\pm dB]	INSERTION LOSS [dB MAX]	DIREC-TIVITY [dB MIN]	VSWR PRIMARY LINE [MAX]	POWER [WATTS MAX]		OUTLINE DIMENSION	
							AVERAGE	PEAK	A	B
.75-1.5	C1121B-X	X \pm 1.0	0.75	0.4	18	1.25	600	10K	3.85	2.65
0.5-2	C1123B-X	X \pm 1.0	0.75	0.4	18	1.30	600	10K	6.00	4.80
1-2	C1103B-X	X \pm 1.0	0.75	0.4	18	1.20	600	10K	3.50	2.30
2-4	C1104B-X	X \pm 1.0	0.75	0.4	18	1.20	600	10K	2.50	1.30
1-4	C1133B-X	X \pm 1.0	0.7	0.4	15	1.20	600	10K	3.85	2.65
1.5-4.5	C1134B-X	X \pm 1.0	0.6	0.4	18	1.25	600	10K	3.50	2.30
2.6-5.2	C1142B-X	X \pm 1.0	0.75	0.4	18	1.25	600	10K	2.50	1.30
4-8	C1105B-X	X \pm 1.0	0.75	0.4	17	1.35	600	10K	2.00	0.80
2-8	C1145B-X	X \pm 1.0	0.6	0.4	16	1.35	600	10K	3.00	1.80
7-11	C1106B-X	X \pm 1.0	0.5	0.4	16	1.35	600	10K	2.00	0.80
5-11	C1156B-X	X \pm 1.0	0.5	0.4	15	1.35	600	10K	2.00	0.80
4-12	C1157B-X	X \pm 1.0	0.6	0.4	15	1.35	600	10K	2.50	1.30
1-11	C1136B-35	35 \pm 1.5	1.5	0.4	15	1.35	600	10K	3.85	2.65

* X to be selected at -30dB thru -50dB. Includes frequency sensitivity. Specifications subject to change without notice.

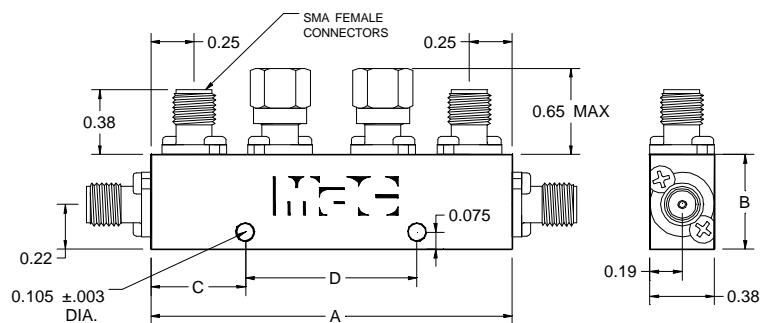


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C3500 SERIES

FREQUENCY RANGE [GHz]	MODEL NUMBER	COUPLING* [dB]	FREQ. SENSITIVITY [\pm dB]	INSERTION LOSS [dB MAX]	DIREC-TIVITY [dB Min]	VSWR [MAX]		POWER [WATTS MAX]		OUTLINE
						PRI. LINE	SEC. LINE	AVERAGE	PEAK	
0.5-1	C3502-10	10 \pm 1.25	0.8	1.50	22	1.15	1.10	10	3K	1
	C3502-20	20 \pm 1.25	0.8	0.50	22	1.15	1.10	50	3K	1
	C3502-30	30 \pm 1.25	0.8	0.40	22	1.15	1.10	50	3K	2
1-2	C3503-10	10 \pm 1.25	0.8	1.50	22	1.15	1.10	10	3K	3
	C3503-20	20 \pm 1.25	0.8	0.50	22	1.15	1.10	50	3K	3
	C3503-30	30 \pm 1.25	0.8	0.40	22	1.15	1.10	50	3K	4
2-4	C3504-10	10 \pm 1.25	0.8	1.50	20	1.20	1.15	10	3K	5
	C3504-20	20 \pm 1.25	0.8	0.50	20	1.20	1.15	50	3K	5
	C3504-30	30 \pm 1.25	0.8	0.40	20	1.20	1.15	50	3K	6
2.6-5.2	C3545-10	10 \pm 1.25	0.8	1.50	18	1.30	1.25	10	3K	7
	C3545-20	20 \pm 1.25	0.8	0.50	18	1.30	1.25	50	3K	7
	C3545-30	30 \pm 1.25	0.8	0.40	18	1.30	1.25	50	3K	8
4-8	C3505-10	10 \pm 1.25	0.8	1.70	18	1.35	1.25	10	3K	7
	C3505-20	20 \pm 1.25	0.8	0.50	18	1.35	1.25	50	3K	7
	C3505-30	30 \pm 1.25	0.8	0.40	18	1.35	1.25	50	3K	8
7-12.4	C3506-10	10 \pm 1.00	0.6	1.90	16	1.35	1.30	10	3K	7
	C3506-20	20 \pm 1.00	0.6	0.70	16	1.35	1.30	50	3K	7
	C3506-30	30 \pm 1.00	0.6	0.60	16	1.35	1.30	50	3K	8
8-16	C3567-10	10 \pm 1.25	0.8	2.20	15	1.40	1.40	10	2K	7
	C3567-20	20 \pm 1.25	0.8	1.00	15	1.40	1.40	50	2K	9
	C3567-30	30 \pm 1.25	0.8	1.00	15	1.40	1.40	50	2K	9
12.4-18	C3507-10	10 \pm 1.25	0.8	2.20	15	1.40	1.40	10	1K	7
	C3507-20	20 \pm 1.25	0.6	1.00	15	1.40	1.40	50	1K	9
	C3507-30	30 \pm 1.25	0.6	1.00	15	1.40	1.40	50	1K	9

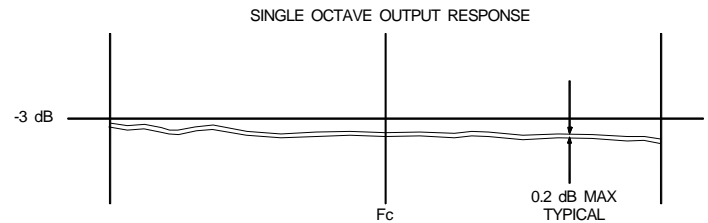
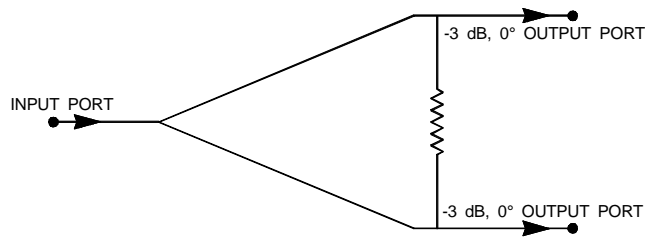
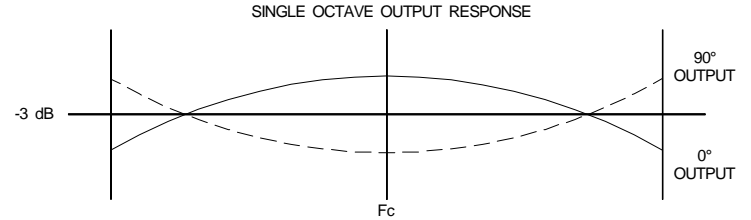
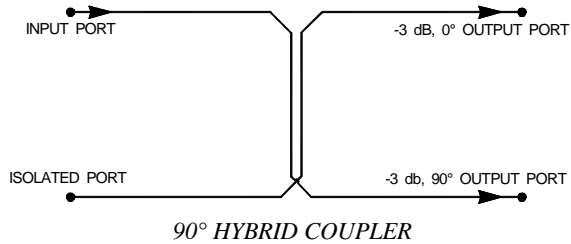
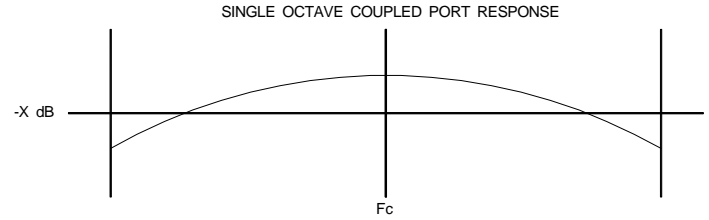
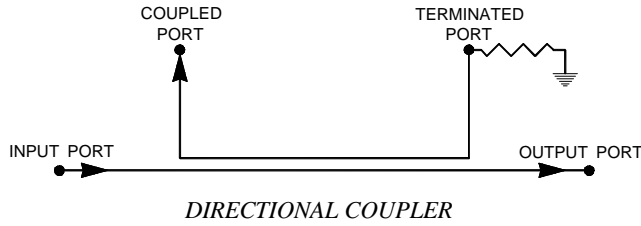
* Includes frequency sensitivity. Specifications subject to change without notice. [2] Coupling relative to output power.



OUTLINE	A	B	C	D
1	6.30	0.50	0.80	4.70
2	6.30	0.55	0.80	4.70
3	3.68	0.50	0.42	2.82
4	3.68	0.55	0.42	2.82
5	2.42	0.50	0.41	1.60
6	2.42	0.55	0.41	1.60
7	2.10	0.50	0.50	1.10
8	2.10	0.55	0.50	1.10
9	2.10	0.60	0.50	1.10



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DEFINITIONS:

COUPLING: The difference in power level measured at the coupled port, relative to the power level applied at the input port (or measured at the output port, if specified). Coupling tolerances in this catalog include frequency sensitivity and therefore show the maximum and minimum coupling levels allowable at any given frequency across the specified operating band.

FREQUENCY SENSITIVITY: The maximum variation in coupling level as measured over a specified frequency band.

TRUE INSERTION LOSS: The difference in the measured power level at the output port of a coupler, relative to the power level applied at the input port, with all other ports adequately terminated. This measurement includes power diverted/lost to the coupled port.

INSERTION LOSS (Excluding Coupled Power): A calculated value indicating power dissipation within the device and not including power routed to other outputs. Typically given for reference only.

DIRECTIVITY: The difference of coupled power levels obtained after applying power through the coupler in both the forward and reverse directions with all other ports adequately terminated.

ISOLATION: (As referring to power dividing devices) The amount of power reduction measured at any output port with respect to the power level applied at any other output port with all other ports adequately terminated.

AMPLITUDE BALANCE: The maximum difference of output power levels measured at any given frequency in the specified operating band.

PHASE BALANCE: The maximum difference in output port phase levels measured at any given frequency in the specified operating band.

AVERAGE POWER: The maximum calculated average or CW power level which may be applied at the input of a device without potentially resulting in damage to the device.

REVERSE POWER: The maximum calculated average or CW power level which may be applied at the output of a device without potentially resulting in damage to the device.

PEAK POWER: The maximum peak power level which may be applied at the input of a device without potentially resulting in damage to the device. Note: The average power level (determined by duty cycle) of a peak power signal must not exceed the "Average Power" rating.



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