

C3200 Series: Octave Bandwidth Directional Couplers

Stripline Couplers, 50 Watts Avg, SMA Female Connectors

C2000 and C4200 Series: Multi-octave Bandwidth Directional Couplers

Stripline Couplers, 25 to 50 Watts Avg, SMA Female Connectors

C7200 Series: Octave and Multi-octave Bandwidth 90° Hybrid Couplers

Stripline Quadrature Couplers, 20 to 50 Watts Avg, SMA Female Connectors

P8200 Series: 2-Way Power Dividers

Stripline Wilkinson Divider/combiners, 30 Watts into specified Load, SMA Female Connectors

P8200 Series: 4-Way Power Dividers

Stripline Wilkinson Divider/combiners, 30 Watts into specified Load, SMA Female Connectors

P8200 Series: 8-Way Power Dividers

Stripline Wilkinson Divider/combiners, 30 Watts into specified Load, SMA Female Connectors

C2300-C3300 Series: Octave and Multi-octave Bandwidth High-power Directional Couplers

Airline Couplers, 600 Watts Avg, N Female primary-line Connectors

C1100B Series: Octave and Multi-octave Bandwidth Dual High-power Directional

Airline Couplers, 600 Watts Avg, N Female primary-line Connectors, Back-to-back Reflectometer Configuration

C3500 Series: Octave Bandwidth Dual Directional Couplers

Stripline Couplers, 10 to 50 Watts Avg, SMA Female Connectors, In-line Reflectometer Configuration

In addition to our standard products, we strive to meet the special performance requirements and custom configuration needs of our customers. These variations include:

Connectors:	Typically SMA, TNC, N, SC and 7-16 DIN series.
Frequency Band:	In the 50 MHz to 20 GHz range.
Housing Outline:	Meeting outdated configurations or special needs.
Special Performance:	Optimized for flatness, directivity, VSWR or ...
Custom Designs:	High-power stripline, Gysel dividers, combined products ...
Special Materials:	Housing metals and plating, custom substrates ...

Please contact us with your specific requirements.



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MAC Technology Inc.

MAC Technology Inc. manufactures a variety of high-reliability precision microwave products. Our facility, located in Southern Oregon, is more than 80% self contained, allowing prompt turn-around for standard and custom products.

FEATURES:

- STANDARD PRODUCT LINE COVERING 500 MHz TO 18 GHz.
- PRECISION MACHINED HOUSINGS ALLOWING HIGH RF SHIELDING.
- MEETS OR EXCEEDS THE REQUIREMENTS OF MIL-E-5400 & MIL-E-16400.
- PRODUCTS HAVE BEEN QUALIFIED FOR USE IN GROUND BASED, SHIP BOARD AND AIRBORNE SYSTEMS, PCS & CELL SITES, MILITARY AND SPACE APPLICATIONS.
- A WIDE VARIETY OF CUSTOM CONFIGURATIONS ARE AVAILABLE.

ORDERING AND SHIPPING INFORMATION

HOW TO ORDER: Orders may be placed directly with MAC Technology. Please include part number, frequency range, part description and shipping instructions with all orders. Place orders via FAX, e-mail or telephone.

SHIPPING: Domestic shipments are made via UPS Blue or FED-EX Economy unless otherwise specified. Primary local carriers are: UPS, FED-EX and DHL.

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

WARRANTY: Microwave Advanced Component Technology Inc. (MAC Technology) warrants each be free from defects in materials and workmanship for one year from the date of shipment. Any product defective under normal use during this one year period will be reworked or replaced without charge. MAC Technology shall not be liable for installation or consequential damages. MAC Technology makes other warranty expressed or implied.

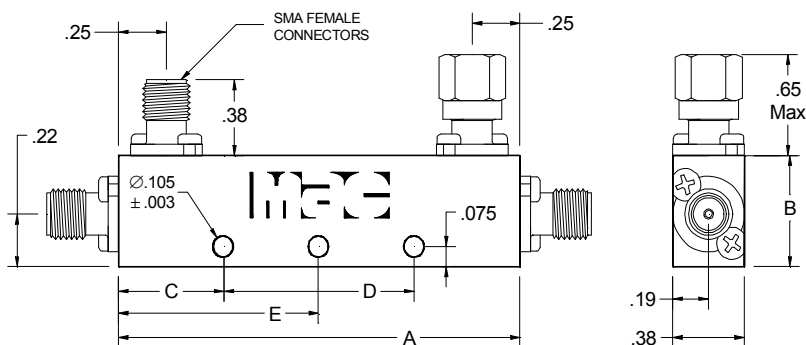


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C3200 Series

Freq. Range [GHz]	Model No.	Coupling* [dB]	Freq. Sensitivity [dB]	Insertion Loss [dB max]		Directivity [dB min]	VSWR [max]		Power [Watts max]			Outline
				Excluding Coupled Power	True		Pri. Line	Sec. Line	Average Incident	Average Reflected	Peak	
0.5-1	C3202-6	6 ± 1.00	± .60	.20	1.80	25	1.15	1.15	50	2	3K	1
	C3202-10	10 ± 1.25	± .75	.20	.80	25	1.10	1.10	50	5	3K	1
	C3202-20	20 ± 1.25	± .75	.15	.20	25	1.10	1.10	50	50	3K	1
	C3202-30	30 ± 1.25	± .75	.15	.20	25	1.10	1.10	50	50	3K	2
1-2	C3203-6	6 ± 1.00	± .60	.20	1.80	25	1.15	1.15	50	2	3K	3
	C3203-10	10 ± 1.25	± .75	.20	.80	25	1.10	1.10	50	5	3K	3
	C3203-20	20 ± 1.25	± .75	.15	.20	25	1.10	1.10	50	50	3K	3
	C3203-30	30 ± 1.25	± .75	.15	.20	25	1.10	1.10	50	50	3K	4
2-4	C3204-6	6 ± 1.00	± .60	.20	1.80	22	1.15	1.15	50	2	3K	5
	C3204-10	10 ± 1.25	± .75	.20	.80	22	1.15	1.15	50	5	3K	5
	C3204-20	20 ± 1.25	± .75	.15	.20	22	1.15	1.15	50	50	3K	5
	C3204-30	30 ± 1.25	± .75	.15	.20	22	1.15	1.15	50	50	3K	6
2.6-5.2	C3245-6	6 ± 1.00	± .60	.20	1.80	20	1.25	1.25	50	2	3K	7
	C3245-10	10 ± 1.25	± .75	.20	.80	20	1.25	1.25	50	5	3K	7
	C3245-20	20 ± 1.25	± .75	.20	.25	20	1.25	1.25	50	50	3K	7
	C3245-30	30 ± 1.25	± .75	.20	.20	20	1.25	1.25	50	50	3K	8
4-8	C3205-6	6 ± 1.00	± .60	.25	1.90	20	1.25	1.25	50	2	3K	7
	C3205-10	10 ± 1.25	± .75	.25	.90	20	1.25	1.25	50	5	3K	7
	C3205-20	20 ± 1.25	± .75	.25	.30	20	1.25	1.25	50	50	3K	7
	C3205-30	30 ± 1.25	± .75	.25	.25	20	1.25	1.25	50	50	3K	8
7-12.4	C3206-6	6 ± 1.00	± .50	.30	2.00	17	1.30	1.30	50	2	3K	7
	C3206-10	10 ± 1.00	± .50	.30	1.00	17	1.30	1.30	50	5	3K	7
	C3206-20	20 ± 1.00	± .50	.30	.35	17	1.30	1.30	50	50	3K	7
	C3206-30	30 ± 1.00	± .50	.30	.30	17	1.30	1.30	50	50	3K	8
7.5-16	C3267-6	6 ± 1.00	± .60	.60	2.20	15	1.35	1.40	50	2	2K	7
	C3267-10	10 ± 1.25	± .75	.60	1.20	15	1.35	1.40	50	5	2K	7
	C3267-20	20 ± 1.25	± .75	.60	.65	15	1.35	1.40	50	50	2K	9
	C3267-30	30 ± 1.25	± .75	.60	.60	15	1.35	1.40	50	50	2K	9
12.4-18	C3207-6	6 ± 1.00	± .50	.60	2.20	12	1.35	1.40	50	2	1K	7
	C3207-10	10 ± 1.00	± .50	.60	1.20	12	1.35	1.40	50	5	1K	7
	C3207-20	20 ± 1.00	± .50	.60	.65	15	1.35	1.40	50	50	1K	9
	C3207-30	30 ± 1.00	± .50	.60	.60	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	.50	.80	1.50	-
2	3.10	.55	.80	1.50	-
3	1.78	.50	.42	.94	-
4	1.78	.55	.42	.94	-
5	1.16	.50	.41	.34	-
6	1.16	.55	.41	.34	-
7	1.00	.50	-	-	.50
8	1.00	.55	-	-	.50
9	1.00	.60	-	-	.50

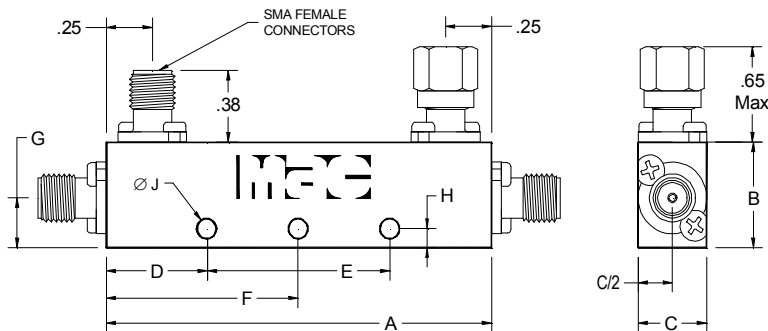


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C2000-C4200 Series

Freq. Range [GHz]	Model No.	Coupling* [dB]	Freq. Sensitivity [dB]	Insertion Loss [dB max]		Directivity [dB min]	VSWR [max]		Power [Watts max]			Outline
				Excluding Coupled Power	True		Pri. Line	Sec. Line	Average Incident	Average Reflected	Peak	
0.5-2	C2023-6	6 ± 1.00	± .75	.35	2.00	23	1.20	1.20	50	2	3K	1
	C2023-10	10 ± 1.00	± .75	.35	.90	23	1.20	1.20	50	5	3K	1
	C2023-20	20 ± 1.00	± .75	.35	.40	23	1.20	1.20	50	50	3K	2
	C2023-30	30 ± 1.00	± .80	.40	.40	20	1.20	1.20	50	50	3K	17
1-4	C2034-6	6 ± 1.00	± .50	.35	2.00	23	1.20	1.20	50	2	3K	3
	C2034-10	10 ± 1.00	± .50	.35	.90	23	1.20	1.20	50	5	3K	3
	C2034-20	20 ± 1.00	± .50	.40	.45	23	1.20	1.20	50	50	3K	4
2-8	C2045-6	6 ± 1.00	± .30	.50	2.20	20	1.25	1.25	50	2	3K	5
	C2045-10	10 ± 1.00	± .30	.35	1.00	20	1.25	1.25	50	5	3K	5
	C2045-20	20 ± 1.00	± .40	.40	.45	20	1.25	1.25	50	50	3K	6
4-12.4	C2056-6	6 ± 1.00	± .30	.50	2.20	17	1.30	1.30	50	2	2K	7
	C2056-10	10 ± 1.00	± .30	.50	1.20	17	1.30	1.30	50	5	2K	7
	C2056-20	20 ± 1.00	± .40	.50	.55	17	1.30	1.30	50	50	2K	8
7-18	C2068-10	10 ± 1.25	± .75	.60	1.10	15	1.35	1.40	50	5	1K	9
6-18	C2068-20	20 ± 1.25	± .60	.60	.60	15	1.35	1.40	35	35	1K	9
0.6-4	C4224-10	10 ± 1.00	± .75	.40	.90	18	1.25	1.30	50	5	3K	10
1-18 [2]	C4238-10	10 ± 1.00	± .50	.90	1.50	1-12.4 12.4-18 15 12	1.40	1.50	25	5	1K	11
	C4238-16	16 ± 1.00	± .50	.80	.90	15 12	1.40	1.50	25	20	1K	12
	C4238-20	20 ± 1.00	± .50	.80	.90	15 12	1.40	1.50	25	25	1K	12
2-18 [2]	C4248-6	6 ± 1.00	± .50	.90	2.00	2-12.4 12.4-18 15 12	1.40	1.50	25	2	1K	13
	C4248-10	10 ± 1.00	± .50	.80	1.30	15 12	1.40	1.50	25	5	1K	13
	C4248-16	16 ± 1.00	± .50	.80	.90	15 12	1.35	1.40	25	20	1K	14
	C4248-20	20 ± 1.00	± .50	.80	.90	15 12	1.35	1.40	25	25	1K	14
4-18	C4258-6	6 ± 1.00	± .50	.90	2.00	4-12.4 12.4-18 15 12	1.35	1.40	25	2	1K	15
	C4258-10	10 ± 1.00	± .50	.80	1.00	15 12	1.35	1.40	25	5	1K	15
	C4258-20	20 ± 1.00	± .50	.60	.70	15 12	1.40	1.40	25	25	1K	16

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



OUTLINE	A	B	C	D	E	F	G	H	J
1	3.60	.53	.38	.50	2.60	-	.22	.075	.105
2	3.60	.60	.38	.50	2.60	-	.22	.075	.105
3	2.90	.68	.38	.45	2.00	-	.34	.15	.15
4	2.90	.60	.38	.45	2.00	-	.22	.075	.105
5	1.78	.68	.38	.45	.875	-	.34	.15	.15
6	1.88	.60	.38	.44	1.00	-	.22	.075	.105
7	1.22	.55	.38	.42	.375	-	.22	.075	.105
8	1.22	.60	.38	.42	.375	-	.22	.075	.105
9	1.00	.50	.38	-	-	.50	.22	.075	.105
10	4.40	.60	.38	.50	3.40	-	.24	.075	.105
11	3.47	.70	.38	.74	2.00	-	.26	.10	.105
12	3.47	.70	.50	.74	2.00	-	.26	.34	[1]
13	2.10	.70	.38	.55	1.00	-	.26	.10	.105
14	2.09	.70	.50	.55	1.00	-	.26	.34	[1]
15	1.36	.60	.38	.43	.50	-	.26	.09	.105
16	1.36	.66	.38	.43	.50	-	.26	.09	.105
17	3.70	.70	.38	.50	2.70	-	.22	.075	.105



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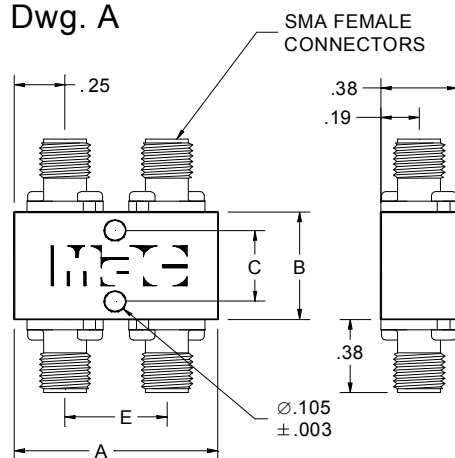
MAC Technology Inc. 90° HYBRID QUADRATURE COUPLERS

C7200 Series

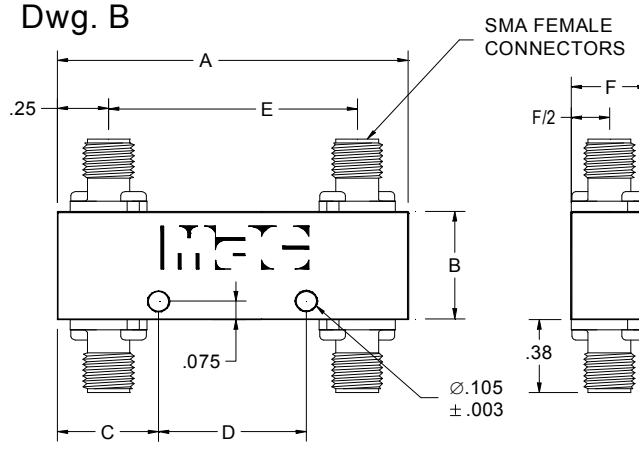
Freq. Range [GHz]	Model No.	Coupling* or Thru-loss [dB]	Freq. Sensitivity [dB]	Isolation [dB min]	VSWR [max]	Power [Watts max]		Outline
						Average	Peak	
0.5-1	C7202	3.1 ± 0.6	± .50	28	1.10	50	3K	4
1-2	C7203	3.1 ± 0.6	± .50	28	1.10	50	3K	5
2-4	C7204	3.1 ± 0.6	± .50	22	1.20	50	3K	1
2.6-5.2	C7245	3.1 ± 0.6	± .50	20	1.25	50	3K	2
4-8	C7205	3.2 ± 0.7	± .50	18	1.30	50	3K	2
2-8	C7246	3.3 ± 0.8	± .40	17	1.30	30	3K	6
4-12.4	C7256	3.3 ± 0.8	± .40	15	1.50	20	2K	7
6-12.4	C7206	3.2 ± 0.7	± .50	18	1.35	50	3K	2
7.5-16	C7267	3.4 ± 0.9	± .60	15	1.45	40	2K	3
12-18	C7207	3.4 ± 1.0	± .70	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	.50	.314	.58	.66	-	A
2	1.00	.50	.314	.50	.50	-	A
3	1.00	.58	.392	.50	.50	-	A
4	3.06	.50	.84	1.37	2.56	.38	B
5	1.78	.50	.64	.50	1.28	.38	B
6	2.60	.75	.67	1.26	2.10	.44	B
7	1.72	.60	.61	.50	1.22	.50	B



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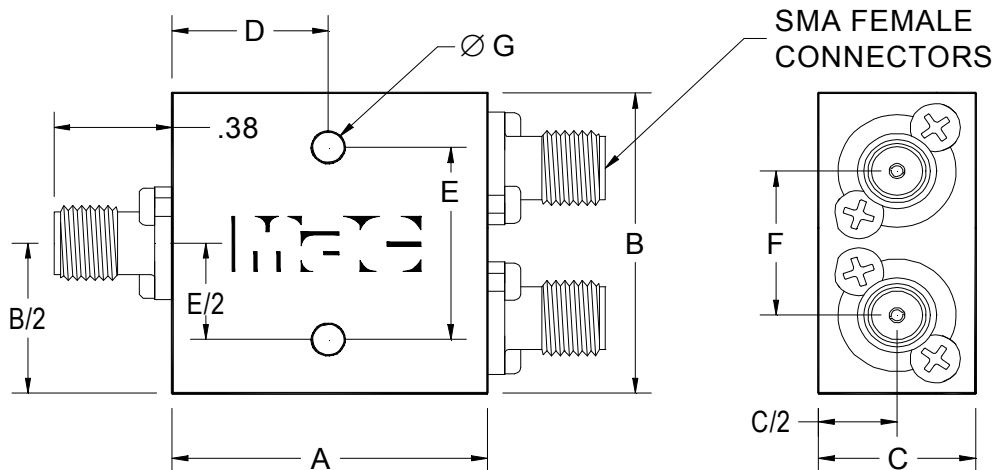
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WILKINSON STRIPLINE 2-WAY POWER DIVIDERS

P8200 Series

Freq. Range [GHz]	Model No.	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	∞ Load VSWR	
0.5-1	P8202-2	22	.20	0.2	2.0	1.20	1.10	30	10	1	4
0.5-4	P8224-2	20	.50	0.2	4.0	1.30	1.20	30	10	1	6
1-2	P8203-2	22	.25	0.2	3.0	1.25	1.20	30	10	1	2
2-4	P8204-2	20	.30	0.2	4.0	1.30	1.25	30	10	1	2
3-5	P8242-2	20	.35	0.2	4.0	1.30	1.30	30	10	1	2
4-8	P8205-2	20	.35	0.2	4.0	1.30	1.30	30	10	1	1
2-8	P8245-2	20	.40	0.2	4.0	1.35	1.35	30	10	1	3
7-12.4	P8206-2	20	.40	0.2	5.0	1.30	1.35	30	10	1	1
12-18	P8267-2	20	.60	0.2	5.0	1.35	1.40	30	10	1	1
8-18	P8268-2	20	.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

Specification subject to change without notice.



OUTLINE	A	B	C	D	E	F	G
1	1.00	1.00	.50	.50	.64	.50	.105
2	1.50	1.50	.50	.75	1.31	1.00	.105
3	2.00	1.50	.50	1.00	1.31	1.00	.105
4	1.50	2.50	.50	.53	2.31	1.00	.105
5	1.62	1.00	.38	.75	.85	.50	.105
6	3.00	1.50	.50	1.50	1.31	1.00	.125



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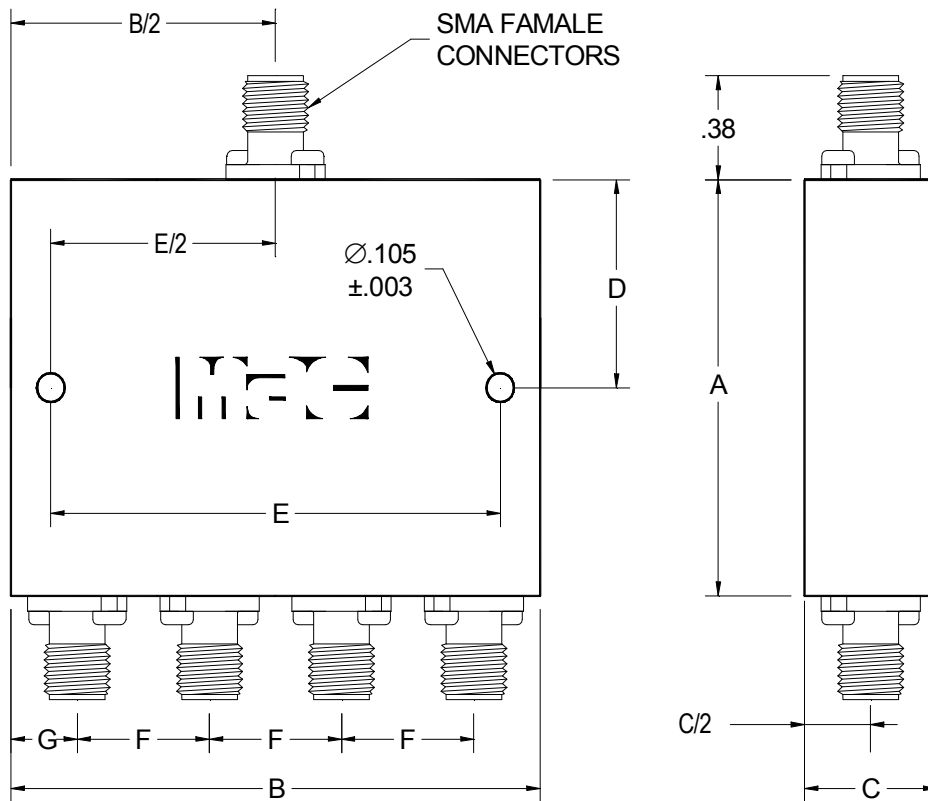
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WILKINSON STRIPLINE 4-WAY POWER DIVIDERS

P8200 Series

Freq. Range [GHz]	Model No.	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	∞ Load VSWR	
0.5-1	P8202-4	20	.40	0.2	4.0	1.30	1.20	30	10	1	7
1-2	P8203-4	20	.60	0.3	5.0	1.50	1.25	30	10	1	5
2-4	P8204-4	20	.60	0.6	6.0	1.40	1.30	30	10	1	4
3-5	P8242-4	20	.50	0.3	4.0	1.45	1.30	30	10	1	2
4-8	P8205-4	20	.40	0.3	4.0	1.35	1.30	30	10	1	3
7-12.4	P8206-4	16	.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	.50	.64	2.06	.69	.34
2	1.78	2.75	.50	.89	2.06	.69	.34
3	2.00	2.00	.38	1.00	1.70	.50	.25
4	2.20	2.65	.50	1.10	2.45	.65	.35
5	2.50	2.75	.38	1.25	2.50	.69	.34
6	2.85	2.00	.38	.95/1.90	1.70	.50	.25
7	3.40	3.60	.50	1.70	3.40	1.00	.30



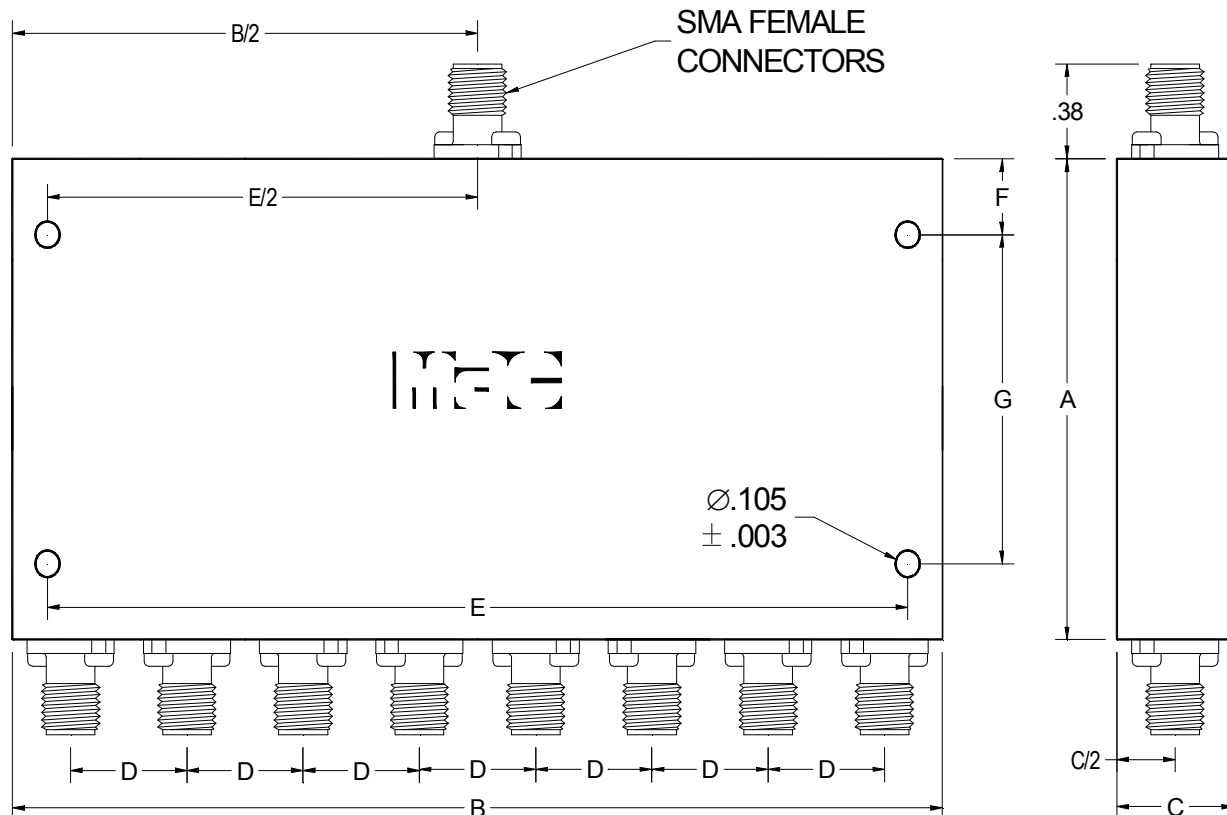
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MAC Technology Inc. WILKINSON STRIPLINE 8-WAY POWER DIVIDERS

P8200 Series

Freq. Range [GHz]	Model No.	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	∞ Load VSWR	
.74-.96	PA8202-8G	20	0.5	0.2	3.0	1.40	1.20	30	10	1	4
1.3-1.76	PA8203-8K	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	.38	.50	3.80	.30	1.80
2	2.45	5.20	.38	.60	4.95	.48	1.50
3	3.50	5.20	.38	.60	5.00	1.80	-
4	3.80	5.50	.50	.69	5.10	.50	2.60
5	4.95	5.20	.50	.60	4.95	1.05	2.85



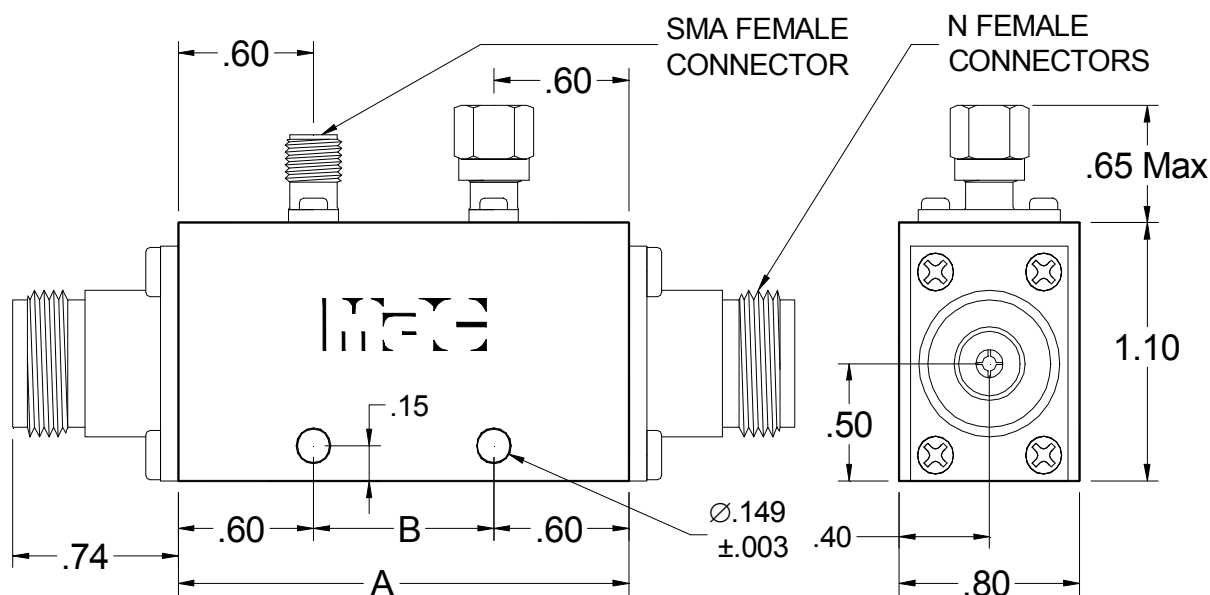
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 e-mail: sales@mactechnology.com

MAC Technology Inc. HIGH POWER DIRECTIONAL COUPLERS

C2300-C3300 Series

Freq. Range [GHz]	Model No.	Coupling* [dB]	Freq. Sensitivity [dB]	Insertion Loss [dB max]	Directivity [dB min]	Primary line VSWR [max]	Power [Watts max]		Outline Dimensions	
							Average	Peak	A	B
.75-1.5	C2321-X	X \pm 1.0	\pm .75	0.2	18	1.20	600	10K	3.85	2.65
0.5-2	C2323-X	X \pm 1.0	\pm .75	0.2	18	1.20	600	10K	6.00	4.80
1-2	C2303-X	X \pm 1.0	\pm .75	0.2	18	1.15	600	10K	3.50	2.30
2-4	C2304-X	X \pm 1.0	\pm .75	0.2	18	1.20	600	10K	2.50	1.30
1-4	C3333-X	X \pm 1.0	\pm .75	0.2	16	1.20	600	10K	3.85	2.65
1.5-4.5	C3334-X	X \pm 1.0	\pm .65	0.2	18	1.20	600	10K	3.50	2.30
2.6-5.2	C2345-X	X \pm 1.0	\pm .75	0.2	18	1.25	600	10K	2.50	1.30
4-8	C2305-X	X \pm 1.0	\pm .75	0.2	18	1.30	600	10K	2.00	0.80
2-8	C3345-X	X \pm 1.0	\pm .60	0.2	18	1.30	600	10K	3.00	1.80
7-11	C2306-X	X \pm 1.0	\pm .50	0.2	16	1.30	600	10K	2.00	0.80
5-11	C2356-X	X \pm 1.0	\pm .50	0.2	16	1.30	600	10K	2.00	0.80
4-12	C3356-X	X \pm 1.0	\pm .65	0.2	16	1.30	600	10K	2.50	1.30
1-11	C2336-35	35 \pm 1.5	\pm 1.25	0.2	16	1.30	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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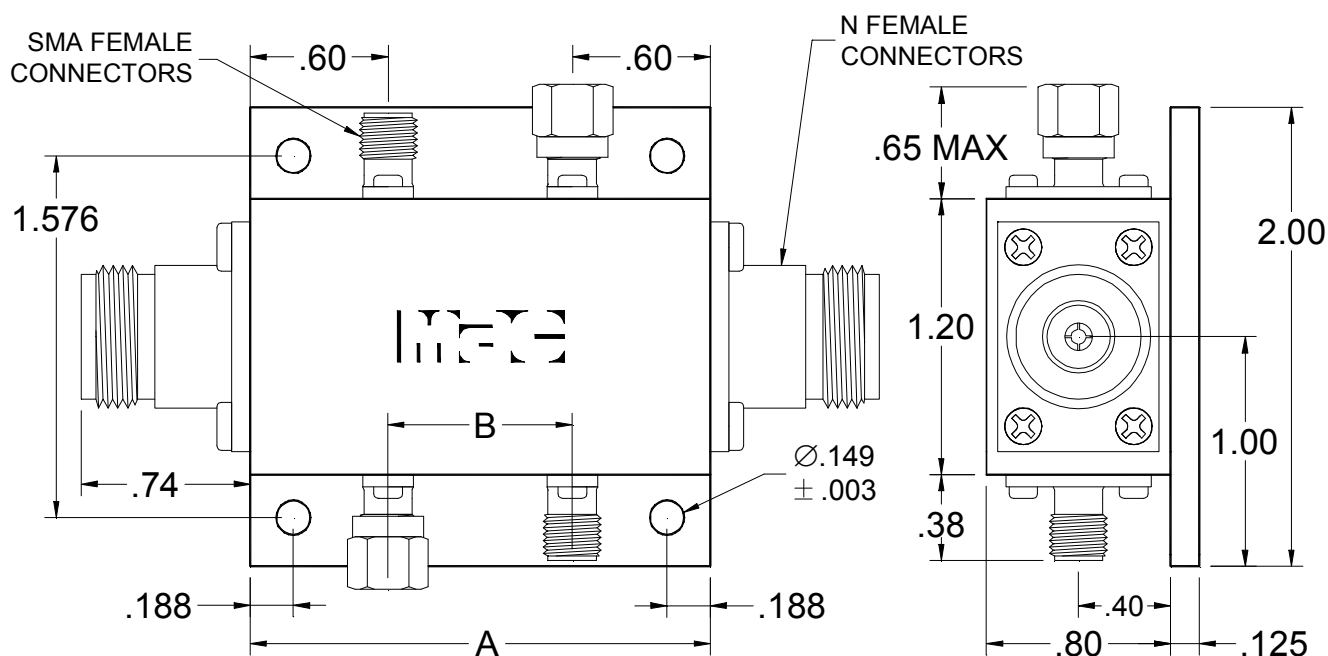
MAC Technology Inc.

DUAL, HIGH POWER DIRECTIONAL COUPLERS

C1100B Series

Freq. Range [GHz]	Model No.	Coupling* [dB]	Freq. Sensitivity [dB]	Insertion Loss [dB max]	Directivity [dB min]	Primary Line VSWR [max]	Power [Watts max]		Outline Dimensions	
							Average	Peak	A	B
.75-1.5	C1121B-X	X \pm 1.0	\pm .75	0.35	18	1.25	600	10K	3.85	2.65
0.5-2	C1123B-X	X \pm 1.0	\pm .75	0.35	18	1.30	600	10K	6.00	4.80
1-2	C1103B-X	X \pm 1.0	\pm .75	0.35	18	1.20	600	10K	3.50	2.30
2-4	C1104B-X	X \pm 1.0	\pm .75	0.35	18	1.20	600	10K	2.50	1.30
1-4	C1133B-X	X \pm 1.0	\pm .75	0.35	16	1.20	600	10K	3.85	2.65
1.5-4.5	C1134B-X	X \pm 1.0	\pm .65	0.35	18	1.25	600	10K	3.50	2.30
2.6-5.2	C1142B-X	X \pm 1.0	\pm .75	0.35	18	1.25	600	10K	2.50	1.30
4-8	C1105B-X	X \pm 1.0	\pm .75	0.35	18	1.35	600	10K	2.00	0.80
2-8	C1145B-X	X \pm 1.0	\pm .60	0.35	18	1.35	600	10K	3.00	1.80
7-11	C1106B-X	X \pm 1.0	\pm .50	0.35	16	1.35	600	10K	2.00	0.80
5-11	C1156B-X	X \pm 1.0	\pm .50	0.35	16	1.35	600	10K	2.00	0.80
4-12	C1157B-X	X \pm 1.0	\pm .65	0.35	16	1.35	600	10K	2.50	1.30
1-11	C1136B-35	35 \pm 1.5	\pm 1.25	0.35	16	1.35	600	10K	3.85	2.65

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



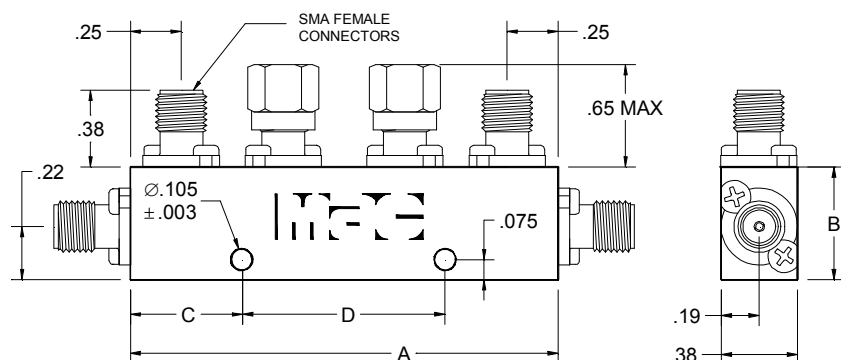
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MAC Technology Inc. DUAL OCTAVE-BAND DIRECTIONAL COUPLERS

C3500 Series

Freq. Range [GHz]	Model No.	Coupling* [dB]	Freq. Sensitivity [dB]	Insertion Loss [dB max]	Directivity [dB min]	VSWR [max]		Power [Watts max]		Outline
						Pri. Line	Sec. Line	Average	Peak	
0.5-1	C3502-10	10 \pm 1.25	\pm .80	1.50	22	1.15	1.10	10	3K	1
	C3502-20	20 \pm 1.25	\pm .80	0.50	22	1.15	1.10	50	3K	1
	C3502-30	30 \pm 1.25	\pm .80	0.40	22	1.15	1.10	50	3K	2
1-2	C3503-10	10 \pm 1.25	\pm .80	1.50	22	1.15	1.10	10	3K	3
	C3503-20	20 \pm 1.25	\pm .80	0.50	22	1.15	1.10	50	3K	3
	C3503-30	30 \pm 1.25	\pm .80	0.40	22	1.15	1.10	50	3K	4
2-4	C3504-10	10 \pm 1.25	\pm .80	1.50	20	1.20	1.15	10	3K	5
	C3504-20	20 \pm 1.25	\pm .80	0.50	20	1.20	1.15	50	3K	5
	C3504-30	30 \pm 1.25	\pm .80	0.40	20	1.20	1.15	50	3K	6
2.6-5.2	C3545-10	10 \pm 1.25	\pm .80	1.50	18	1.30	1.25	10	3K	7
	C3545-20	20 \pm 1.25	\pm .80	0.50	18	1.30	1.25	50	3K	7
	C3545-30	30 \pm 1.25	\pm .80	0.40	18	1.30	1.25	50	3K	8
4-8	C3505-10	10 \pm 1.25	\pm .80	1.70	18	1.35	1.25	10	3K	7
	C3505-20	20 \pm 1.25	\pm .80	0.50	18	1.35	1.25	50	3K	7
	C3505-30	30 \pm 1.25	\pm .80	0.40	18	1.35	1.25	50	3K	8
7-12.4	C3506-10	10 \pm 1.25	\pm .60	1.90	16	1.35	1.30	10	3K	7
	C3506-20	20 \pm 1.25	\pm .60	0.70	16	1.35	1.30	50	3K	7
	C3506-30	30 \pm 1.25	\pm .60	0.60	16	1.35	1.30	50	3K	8
8-16	C3567-10	10 \pm 1.25	\pm .80	2.20	15	1.40	1.40	10	2K	7
	C3567-20	20 \pm 1.25	\pm .80	1.00	15	1.40	1.40	50	2K	9
	C3567-30	30 \pm 1.25	\pm .80	1.00	15	1.40	1.40	50	2K	9
12.4-18	C3507-10	10 \pm 1.25	\pm .80	2.20	15	1.40	1.40	10	1K	7
	C3507-20	20 \pm 1.25	\pm .60	1.00	15	1.40	1.40	50	1K	9
	C3507-30	30 \pm 1.25	\pm .60	1.00	15	1.40	1.40	50	1K	9

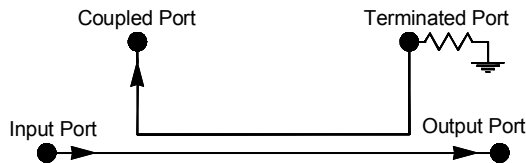
* Includes frequency sensitivity. Specifications subject to change without notification.



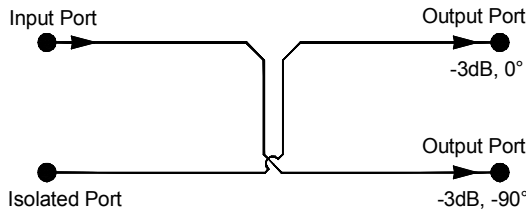
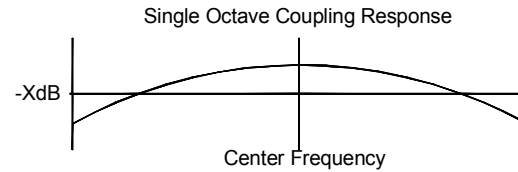
OUTLINE	A	B	C	D
1	6.30	.50	.80	4.70
2	6.30	.55	.80	4.70
3	3.68	.50	.42	2.82
4	3.68	.55	.42	2.82
5	2.42	.50	.41	1.60
6	2.42	.55	.41	1.60
7	2.10	.50	.50	1.10
8	2.10	.55	.50	1.10
9	2.10	.60	.50	1.10



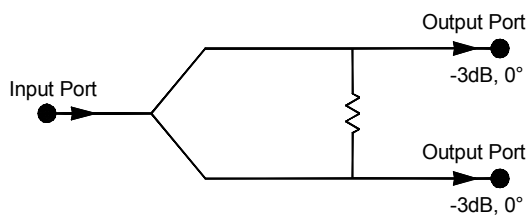
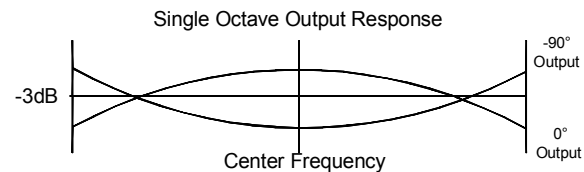
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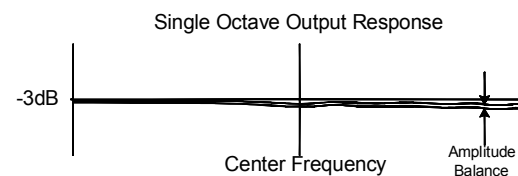
Directional Coupler



90° Hybrid Coupler



Wilkinson Power Divider



Coupling: The difference in power level measured at the coupled port relative to the power level applied at the input port (unless noted). Coupling tolerances are specified including frequency sensitivity and therefore indicate the maximum range for the measured coupling level.

Frequency Sensitivity: The maximum variation in coupling level as measured over the specified frequency band.

True Insertion Loss: The difference in the measured power level at the output port relative to the power level applied at the input port with all other ports properly terminated.

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 properly terminated.

Isolation: 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 properly 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 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 of the device.