



About Hermerc

Nanjing Hermerc Technology Telecom Co.,Ltd is a RF and Commercial telecom components integration company for specialized applications.

There is a strong application engineers team at Nanjing Hermerc Technology Telecom Co.,Ltd with decades of local RF application experience, which helps the company win many complicate solution orders.

Nanjing Hermerc Technology Telecom Co.,Ltd is the official distributor of Eclectic Oriental Microwave at Mainland China, and a local partner of Aeroflex Microelectronics Nanjing Co.,Ltd.



Nanjing Hermerc Technology Telecom Co.,Ltd offer solutions for passive systems especially for the connection solutions---Easylink series(include cable assembly, connector/adaptor/termination and attenuator), Test lab solution—Easytek series(include cable assembly, adaptor, open, short, and load), and Inside cabinet solution—Easycom series.

You can check more information at www.hermerc.com

About Eclectic Oriental Microwave

Eclectic Oriental Microwave is the commercial business center of Ecorl Group, EO based at Hongkong and pursue to offer the best cost effective microwave product/components and solutions.

With the leading technology of from Ecorl at Singen, Germany (Former ATI), Eclectic Oriental Microwave offer products ranged from connectors, adaptors, terminations, power dividers, couplers..to customer designed sub-systems.

Based on the manufacture facility in Mainland China and with a global supplier chain, Eclectic Oriental Microwave offer a quick delivery for the samples and products directly from the factory to the customer, most of our catalog products can be shipped within 3 weeks from ordering date.

All the Eclectic Oriental Microwave products are RoHS complaint and can be customerized.

You can check more information at www.ecorl.com





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Power Dividers and Combiners

【Description】

RF combiners and power dividers are a group of circuits and components that are used in many RF applications to split, combine RF power in circuits.

An RF combiner is used to combine RF from a number of different sources. This is achieved while maintaining the characteristic impedance of the system. Dependent upon the type of combiner it may introduce additional loss by using resistors, or it may be use transformers in which case it could in theory be lossless.

An RF power divider is the reverse of a combiner - in fact splitters and combiners utilise exactly the same circuits - the inputs for one form the outputs for the other. As the signal is split a number of ways, there is an associated reduction in signal level between the input and the output dependent upon the number of outputs for which the signal is shared.

【Functions】

Power dividers and combiners can be used for

- ❖ Power splitting, combining and detecting;
- ❖ Sampling the signals;
- ❖ Isolating the sources of signals;
- ❖ Measuring reflection coefficient.

【Applications】

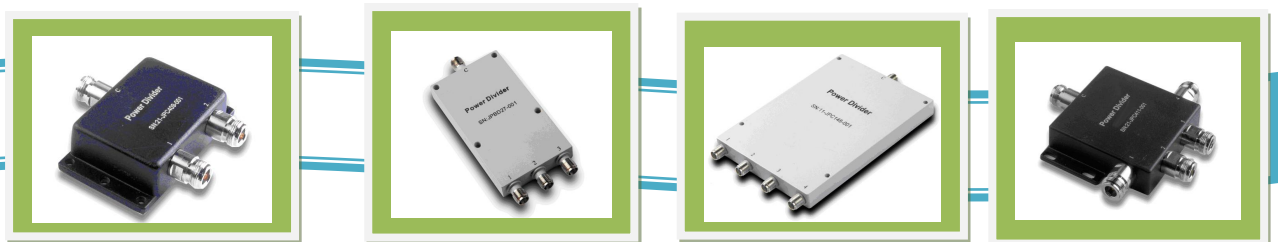
Power dividers and combiners are widely used in

- ❖ Antenna Matrix;
- ❖ Feed network of mixer and balance amplifier;
- ❖ Radio communication;
- ❖ Indoor distribution system.

【Classifications】

There are three types of power dividers and combiners which are commonly used :

- ❖ 2-way power dividers/combiners;
- ❖ 3-way power dividers/combiners;
- ❖ 4-way power dividers/combiners;



2-way Power Dividers

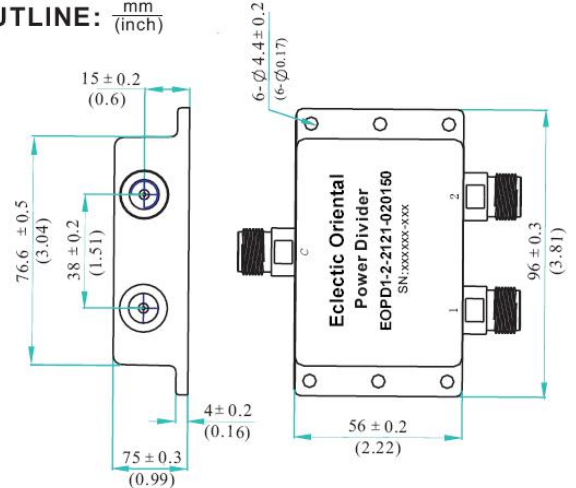
P/N: PDC002A00X02

【Features】

- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ 0°C power divider with N-Female connector
- ❖ Good conformity

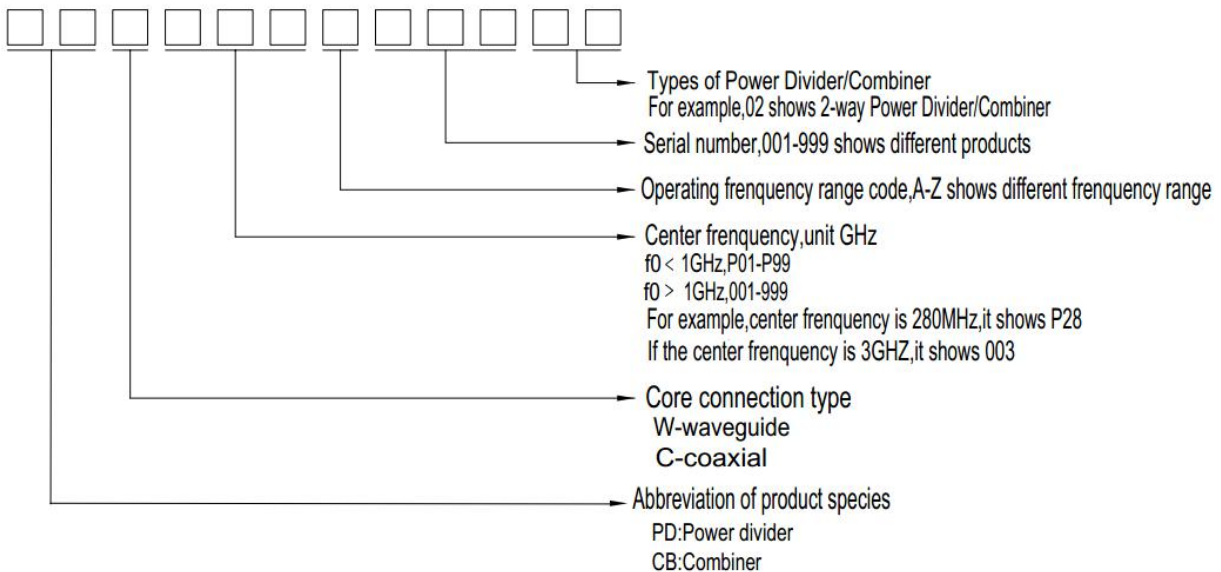
【Specifications】

OUTLINE: $\frac{\text{mm}}{\text{(inch)}}$



Model No.	PDC002A00X02
Frequency Range	0.8-2.5GHz
Insertion Loss	0.4 dB.
Isolation	20 dB.
Input/output VSWR	1.25/1.2
Amplitude Balance	± 0.30 dB
Connector	N-F
Power Handling	50W
Operating Temp.	- 20~ + 70°C

【Model Number Description】





Model No.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	Input VSWR	Output VSWR	Amplitude Balance (dB)	Phase Balance	Connector	Power Handling (W)	Working Temperature (°C)
2-Way Ultra Broadband Power Dividers										
PDC010A00102	1-18	1.6	16	1.6	1.6	±0.5	±10°	SMA-F	30	-55~+85
PDC010B00102	2-18	1.20	16	1.5	1.5	±0.30	±5°	SMA-F	30	-55~+85
PDC007A00102	1-12.4	1.50	16	1.45	1.45	±0.40	±6°	SMA-F	30	-55~+85
PDC003A00102	0.5-6	0.80	18	1.4	1.3	±0.20	±3°	SMA-F	30	-55~+85
PDC005A00102	1-8	1.20	16	1.4	1.35	±0.30	±6°	SMA-F	30	-55~+85
2-Way 4 Octave Bandwidth Power Dividers										
PDC001A00102	0.5-2	0.50	20	1.25	1.2	±0.20	±2°	SMA-F	30	-55~+85
PDC002A00102	0.8-2.5	0.40	20	1.3	1.2	±0.20	±2°	SMA-F	30	-55~+85
PDC003B00102	1-4	0.50	20	1.3	1.25	±0.30	±2°	SMA-F	30	-55~+85
PDC005B00102	2-8	0.60	20	1.3	1.2	±0.30	±4°	SMA-F	30	-55~+85
PDC011A00102	4-18	0.80	18	1.5	1.5	±0.40	±5°	SMA-F	30	-55~+85
2-Way Octave Bandwidth Power Dividers										
PDCP75A00102	0.5-1	0.35	20	1.2	1.15	±0.20	±2°	SMA-F	30	-55~+85
PDC002B00102	1-2	0.35	20	1.2	1.15	±0.20	±2°	SMA-F	30	-55~+85
PDC003A00102	2-4	0.35	20	1.25	1.2	±0.20	±2°	SMA-F	30	-55~+85
PDC006A00102	4-8	0.5	20	1.25	1.2	±0.30	±3°	SMA-F	30	-55~+85
PDC012A00102	6-18	0.70	18	1.5	1.5	±0.40	±5°	SMA-F	30	-55~+85
2-Way Power Dividers For Communication										
PDC002A00202	0.8-2.5	0.40	20	1.25	1.2	±0.30	--	N-F	50	-20~+70
PDC002A00302	0.8-2.5	0.20	--	1.25	--	--	--	N-F	300/3K	-20~+70
PDC002F00102	0.8-3.5	0.25	--	1.25	--	--	--	N-F	300/3K	-20~+70



Model No.	Frequency (GHz)	Isolation		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		Typ	Max			Input		Output		
		Typ	Min					Typ	Max	Typ	Max	
2-Way High Power Dividers With High Isolation												
PDCP84A00102	0.824-0.84 9	25	22	0.2	0.3	0.1	0.5	1.15	1.25	1.15	1.25	200
PDC002C00102	1.85-1.91	25	22	0.25	0.35	0.1	0.5	1.15	1.25	1.15	1.25	200
PDC006B00102	5.4-5.9	23	21	0.35	0.50	0.2	1	1.15	1.25	1.15	1.25	150
PDC011B00102	10.7-11.2	23	21	0.45	0.6	0.2	1	1.20	1.30	1.20	1.30	100
PDC014A00102	14-14.5	22	20	0.6	0.75	0.2	2	1.20	1.35	1.20	1.30	50
2-Way Reactive High Power Dividers												
PDC002D00102	0.7-2.7			0.15	0.2			1.10	1.15			500
PDC002E00102	0.8-2.2			0.08	0.1			1.10	1.15			500
PDC004A00102	2-6			0.25	0.30			1.20	1.30			200
PDC006C00102	3-9			0.30	0.35			1.25	1.30			150
PDC008A00102	4-12			0.35	0.40			1.25	1.35			100
PDC012A00202	6-18			0.45	0.60			1.30	1.40			50

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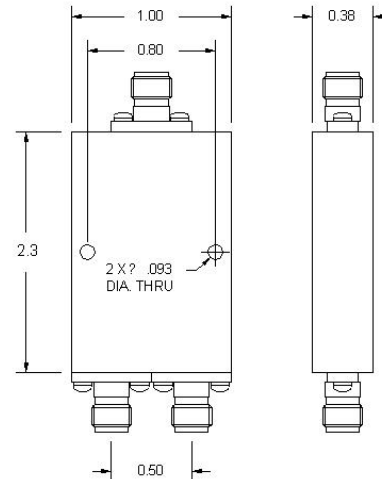
2-way Power Dividers/Combiners

P/N: PDC002A00X02/CBC002A00X02

OUTLINE(Inch)

【Features】

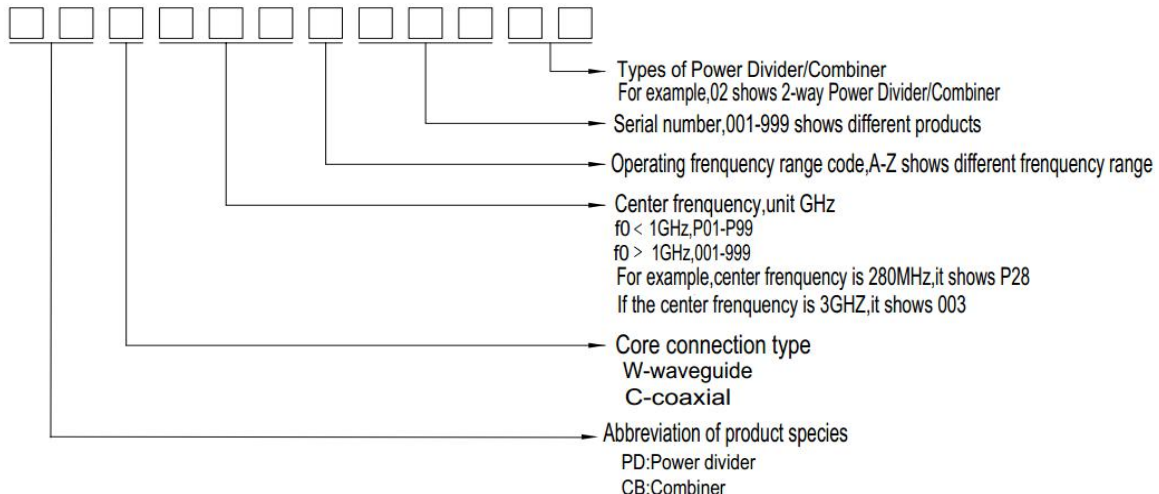
- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ Low Profile
- ❖ Excellent Amplitude and Phase Tracking
- ❖ High Handling Power



【Specifications】

Model No.	PDC002A00X02/CBC002A00X02
Frequency Range	0.2-2.5GHz
Insertion Loss (Typ/Max)	1.0 dB/1.3 dB
Isolation (Typ/Max)	20 dB/18 dB
Input/output VSWR	1.3/1.25
Amplitude Balance	±0.20dB
Phase Balance	2 deg
Input Power	70W

【Model Number Description】





Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		Typ	Min	Typ	Max			Input		Output		
								Typ	Max	Typ	Max	
2-Way Ultra-Broad band Power Dividers /Combiners												
CBC001A00102	0.2-2.5	20	28	1.0	1.3	0.2	2	1.30	1.40	1.25	1.35	70
CBC005A00102	0.5-9	19	17	1.5	1.8	0.3	3	1.35	1.40	1.30	1.35	70
CBC009A00102	0.5-18	19	17	1.5	1.8	0.4	4	1.35	1.45	1.30	1.40	80
CBC006A00102	1-10	20	18	1.4	1.7	0.2	3	1.35	1.45	1.30	1.40	80
CBC010A00102	1-18	19	17	1.8	2.1	0.3	3	1.35	1.45	1.30	1.40	80
CBC014A00102	1-27	18	16	3.0	3.5	0.4	6	1.60	1.70	1.50	1.60	50
CBC021A00102	1-40	15	13	4.5	5.0	0.8	10	2.00	2.50	1.70	2.00	30
CBC021B00102	2-40	16	14	3.4	3.8	0.6	8	1.80	2.30	1.60	2.00	30
2-Way Multi-Octave Band Power Dividers /Combiners												
CBC002A00102	0.5-4	21	19	0.7	1.0	0.2	2	1.30	1.45	1.25	1.35	50
CBC002B00102	0.7-2.6	21	19	0.5	0.7	0.15	2	1.25	1.35	1.20	1.30	30
CBC002C00102	0.8-2.2	22	20	0.4	0.6	0.15	2	1.25	1.35	1.20	1.30	30
CBC003A00102	1-4	22	20	0.5	0.7	0.15	2	1.30	1.35	1.25	1.30	30
CBC005B00102	2-8	21	19	0.6	0.8	0.2	2	1.30	1.35	1.25	1.30	30
CBC010B00102	2-18	17	15	1.4	1.7	0.3	3	1.50	1.60	1.45	1.55	50
CBC006B00102	3-9	21	19	0.6	0.8	0.2	2	1.25	1.35	1.25	1.30	30
CBC008A00102	3-12	20	18	0.6	0.8	0.25	3.5	1.40	1.50	1.30	1.40	30
CBC012A00102	4-20	17	15	1.4	1.6	0.25	4	1.60	1.70	1.50	1.60	30
CBC012B00102	6-18	20	18	0.8	1.2	0.2	3	1.40	1.50	1.30	1.40	30
CBC016A00102	6-26.5	18	16	1.8	2.3	0.4	5	1.60	1.70	1.50	1.60	30
CBA025A00102	10-40	16	14	2.3	2.6	0.6	7	1.80	2.00	1.70	1.80	20
2-Way Octave Band Power Dividers /Combiners												
CBCP75A00102	0.5-1.0	24	22	0.2	0.3	0.1	1	1.15	1.20	1.10	1.15	20
CBC001B00102	0.8-1.6	24	22	0.25	0.4	0.1	1	1.15	1.20	1.10	1.15	20
CBC002D00102	1.0-2.0	24	22	0.25	0.4	0.1	1	1.20	1.25	1.15	1.20	20
CBC002F00102	1.5-3.0	23	21	0.3	0.5	0.15	1.5	1.20	1.25	1.15	1.20	20
CBC003B00102	2-4	22	20	0.3	0.5	0.15	1.5	1.25	1.30	1.20	1.25	20
CBC005C00102	3-6	22	20	0.4	0.6	0.15	1.5	1.25	1.30	1.20	1.25	20
CBC006C00102	4-8	20	18	0.5	0.6	0.15	2	1.25	1.30	1.20	1.25	20
CBC009B00102	6-12	20	18	0.5	0.7	0.2	3	1.25	1.30	1.20	1.25	20
CBC012C00102	8-16	20	18	0.6	0.8	0.2	3	1.25	1.30	1.20	1.25	20



Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		Typ	Min	Typ	Max			Input		Output		
								Typ	Max	Typ	Max	
2-Way Octave Band Power Dividers /Combiners												
CBC018A00102	12-24	19	17	0.8	1.0	0.25	4	1.30	1.40	1.25	1.35	10
CBC024A00102	16-32	18	16	1.2	1.4	0.30	5	1.40	1.50	1.30	1.40	10
CBC027A00102	18-36	17	15	1.2	1.4	0.35	5	1.40	1.50	1.30	1.40	10
CBC030A00102	20-40	15	13	1.4	1.6	0.4	6	1.50	1.60	1.40	1.50	10
2-Way Narrow Band Power Dividers /Combiners												
CBCP85A00102	0.8-0.9	25	23	0.2	0.3	0.1	1	1.10	1.15	1.10	1.15	10
CBC002G00102	1.8-2.0	24	22	0.2	0.4	0.1	1	1.10	1.15	1.10	1.15	10
CBC006D00102	5.4-5.9	23	21	0.3	0.5	0.1	1	1.15	1.20	1.15	1.20	10
CBC010C00102	9.5-10	23	21	0.4	0.6	0.15	1.5	1.15	1.20	1.15	1.20	10
CBC013A00102	12.7-13.3	23	21	0.5	0.6	0.15	1.5	1.15	1.20	1.15	1.20	6
CBC014B00102	14-14.5	22	20	0.5	0.6	0.15	1.5	1.15	1.20	1.15	1.20	6
CBC020A00102	19.3-19.7	22	20	0.6	0.8	0.15	1.5	1.20	1.25	1.15	1.20	6
CBC021A00102	20-21.2	22	20	0.6	0.8	0.15	2	1.20	1.25	1.15	1.20	6
CBC030B00102	29.3-31	20	18	0.7	1.0	0.2	2.5	1.25	1.30	1.20	1.25	5
CBC038A00102	37-39.6	18	16	0.9	1.2	0.25	3	1.30	1.35	1.25	1.30	5
2-Way Extreme High Power Combiners With High Isolation												
CBCP84A00102	0.824-0.8 49	23	20	0.30	0.40	0.1	0.5	1.15	1.25	1.15	1.25	100
CBC002H00102	1.85-1.91	23	20	0.35	0.45	0.1	0.5	1.15	1.25	1.15	1.25	100
CBC006D00202	5.4-5.9	22	19	0.45	0.50	0.2	1	1.20	1.30	1.20	1.30	100
CBC011A00102	10.7-11.2	20	17	0.60	0.80	0.2	2	1.30	1.40	1.30	1.40	180

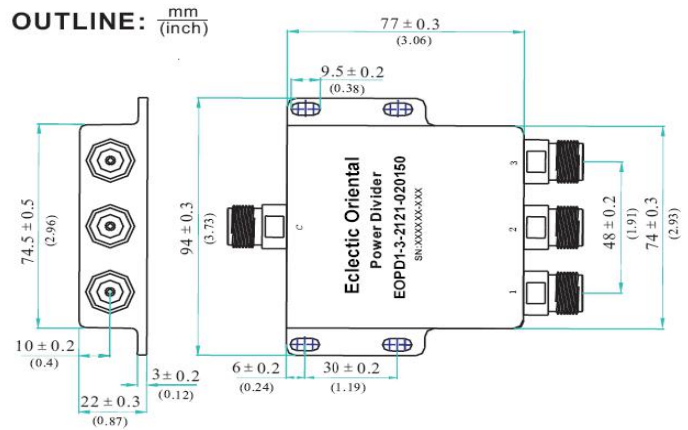
Note:1, All the above are technical indexes at normal temperature.
 2, Above devices can be dedicated to the design according to customers' needs.
 3, If you have other requirements or the table does not list of technical parameters ,please contact us.

3-way Power Dividers

P/N: PDC002A00X03

【Features】

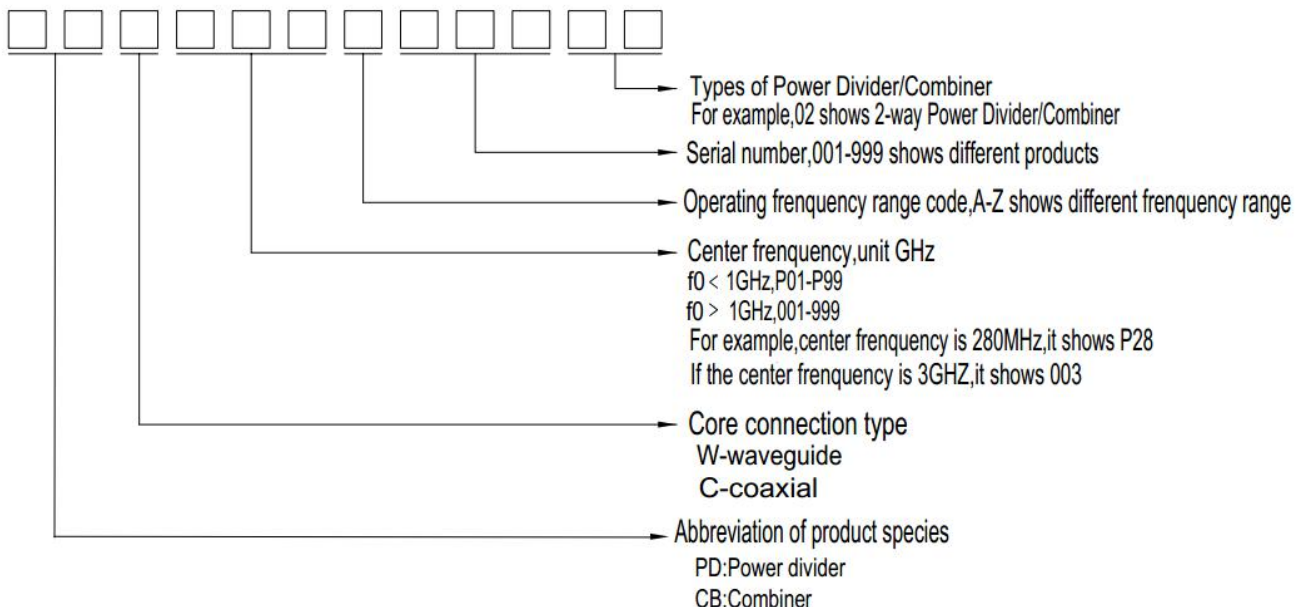
- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ 0°C power divider with N-Female connector
- ❖ Good conformity



【Specifications】

Model No.	PDC002A00X03
Frequency Range	0.8-2.5GHz
Insertion Loss	0.25 dB.
Input VSWR	1.25/1.2
Connector	N-F
Power Handling(Avg/Peak)	300W /3KW
Operating Temp.	- 20~ + 70°C

【Model Number Description】





Model No.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation	Input VSWR	Output VSWR	Amplitude Balance (dB)	Phase Balance	Connector	Power Handling (W)	Working Temperature (°C)
3-Way 4 Octave Bandwidth Power Dividers										
PDC005A00103	2-8	1.30	18	1.4	1.3	±0.80	---	SMA-F	30	-55~+85
3-Way Octave Bandwidth Power Dividers										
PDC003A00103	2-4	0.60dB	18	1.3	1.3	±0.30	---	SMA-F	30	-55~+85
PDC013A00103	8-18	1.20dB	18	1.6	1.5	±0.60	---	SMA-F	30	-55~+85
3-Way Power Dividers For Communication										
PDC002A00103	0.8-2.5	0.60dB	20	1.3	1.25	±0.35	---	N-F	50	-20~+70
PDC002A00203	0.8-2.5	0.30dB	20	1.25	1.25	---	---	N-F	300 /3K	-20~+70
PDC002B00103	0.8-3.5	0.25dB	20	1.25	1.25	---	---	N-F	300 /3K	-20~+70



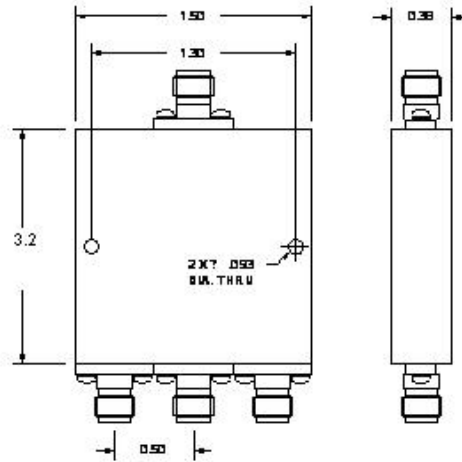
Model No.	Frequency (GHz)	Isolation		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		Typ	Max			Input		Output		
		Typ	Min					Typ	Max	Typ	Max	
3-Way High Power Dividers With High Isolation												
PDCP84A0 0103	0.824-0.849	25	22	0.35	0.45	0.1	0.5	1.15	1.25	1.15	1.25	200
PDC002C0 0103	1.85-1.91	25	22	0.4	0.5	0.15	1	1.15	1.25	1.15	1.25	200
PDC006A0 0103	5.4-5.9	23	21	0.50	0.65	0.2	1	1.25	1.35	1.20	1.30	150
PDC011A0 0103	10.7-11.2	23	21	0.6	0.75	0.2	1.5	1.25	1.35	1.20	1.30	100
PDC014A0 0103	14-14.5	22	20	0.8	1.0	0.2	2	1.35	1.45	1.25	1.35	50
3-Way Reactive High Power Dividers												
PDC002D0 0103	0.7-2.7			0.15	0.2			1.15	1.20			500
PDC002E0 0103	0.8-2.2			0.08	0.1			1.15	1.20			500
PDC004A0 0103	2-6			0.25	0.30			1.20	1.25			200
PDC006B0 0103	3-9			0.30	0.35			1.25	1.30			150
PDC008A0 0103	4-12			0.30	0.40			1.25	1.35			100

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3-way Power Dividers/Combiners

P/N: PDCP75A00X03/CBCP75A00X03

OUTLINE(Inch)



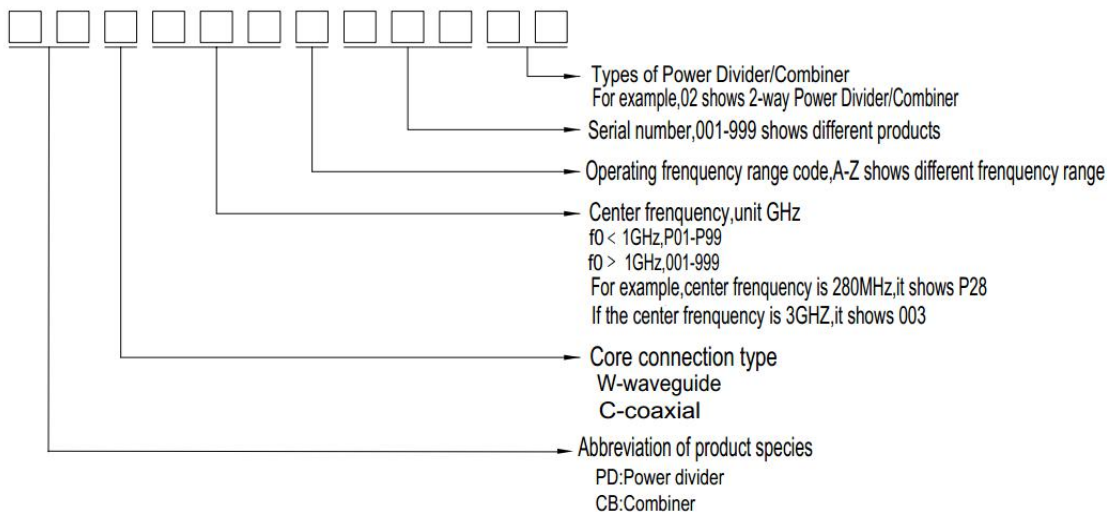
【Features】

- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ Low Profile
- ❖ Excellent Amplitude and Phase Tracking
- ❖ High Handling Power

【Specifications】

Model No.	PDCP75A00X03/CBCP75A00X03
Frequency Range	0.5-1.0GHz
Insertion Loss (Typ/Max)	0.3 dB./0.4 dB
Isolation (Typ/Max)	22 dB/20 dB
Input/output VSWR	1.20/1.15
Amplitude Balance	±0.15dB
Phase Balance	1.5deg
Input Power	30W

【Model Number Description】





Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
3-Way Ultra-Broad band Power Dividers /Combiners												
CBC001A00103	0.2-2.5	18	16	1.3	1.6	0.3	3	1.35	1.45	1.30	1.40	80
CBC005A00103	0.5-9	17	15	1.8	2.1	0.4	4	1.40	1.50	1.35	1.45	80
CBC006A00103	1-10	18	16	1.5	1.8	0.3	4	1.40	1.50	1.35	1.45	60
CBC010A00103	1-18	17	15	2.1	2.5	0.4	4	1.45	1.55	1.40	1.50	50
3-Way Multi-Octave Band Power Dividers /Combiners												
CBC002A00103	0.5-4	19	17	0.9	1.2	0.3	3	1.35	1.45	1.30	1.40	60
CBC002B00103	0.7-2.6	19	17	0.6	0.8	0.2	3	1.30	1.40	1.25	1.35	40
CBC002C00103	0.8-2.2	20	18	0.5	0.7	0.2	3	1.30	1.40	1.25	1.35	40
CBC003A00103	1-4	19	17	0.6	0.8	0.2	3	1.35	1.45	1.30	1.40	40
CBC005B00103	2-8	21	19	0.7	0.9	0.2	3	1.35	1.45	1.30	1.40	40
CBC006B00103	3-9	18	16	0.6	0.8	0.2	3	1.35	1.45	1.30	1.40	40
CBC008A00103	3-12	18	16	0.7	0.9	0.25	3.5	1.45	1.55	1.35	1.45	40
3-Way Octave Band Power Dividers /Combiners												
CBCP75A00103	0.5-1.0	22	20	0.3	0.4	0.15	1.5	1.20	1.25	1.15	1.20	30
CBC001B00103	0.8-1.6	22	20	0.3	0.4	0.15	1.5	1.20	1.25	1.15	1.20	30
CBC002D00103	1.0-2.0	22	20	0.35	0.45	0.2	2	1.25	1.30	1.20	1.25	30
CBC002E00103	1.5-3.0	21	19	0.4	0.6	0.2	2	1.25	1.30	1.20	1.25	30
CBC003B00103	2-4	20	18	0.4	0.6	0.2	2	1.30	1.35	1.25	1.30	30
CBC005C00103	3-6	20	18	0.5	0.7	0.2	2	1.30	1.35	1.25	1.30	30
CBC006C00103	4-8	18	16	0.6	0.8	0.2	2	1.30	1.35	1.25	1.30	30
CBC009A00103	6-12	18	16	0.7	0.9	0.3	3	1.30	1.40	1.25	1.35	30
CBC012A00103	8-16	17	15	0.8	1.0	0.3	3.5	1.35	1.45	1.30	1.40	30
3-Way Narrow Band Power Dividers /Combiners												
CBCP85A00103	0.8-0.9	23	21	0.3	0.4	0.1	1	1.15	1.20	1.15	1.20	15
CBC002F00103	1.8-2.0	22	20	0.3	0.5	0.1	1	1.15	1.20	1.15	1.20	15
CBC006D00103	5.4-5.9	21	19	0.4	0.6	0.15	1.5	1.20	1.25	1.20	1.25	15
CBC010B00103	9.5-10	21	19	0.5	0.7	0.15	2	1.25	1.30	1.20	1.25	15
CBC013A00103	12.7-13.3	21	19	0.6	0.8	0.15	2	1.25	1.30	1.20	1.25	10
CBC014A00103	14-14.5	20	18	0.6	0.8	0.2	2.5	1.30	1.35	1.25	1.30	8
CBC020A00103	19.3-19.7	18	16	0.8	1.0	0.25	3	1.35	1.45	1.30	1.35	8
CBC021A00103	20.2-21.2	18	16	0.9	1.2	0.25	3	1.40	1.45	1.30	1.35	8
CBC030A00103	29.3-31	17	15	1.0	1.3	0.3	3.5	1.40	1.50	1.30	1.40	5
CBC038A00103	37-39.6	16	14	1.2	1.4	0.3	3.5	1.45	1.60	1.40	1.50	5



Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
								Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
3-Way Extreme High Power Combiners With High Isolation												
CBCP84A00103	0.824-0.84 9	23	20	0.60	0.80	0.15	1	1.20	1.35	1.20	1.25	100
CBC002G00103	1.85-1.91	23	20	0.7	0.90	0.15	1	1.20	1.35	1.20	1.25	100
CBC006D00203	5.4-5.9	22	19	0.9	1.0	0.2	1.5	1.25	1.40	1.20	1.30	100
CBC011A00103	10.7-11.2	20	17	1.2	1.5	0.2	3	1.25	1.45	1.25	1.35	80

- Note:1, All the above are technical indexes at normal temperature.
 2, Above devices can be dedicated to the design according to customers' needs.
 3, If you have other requirements or the table does not list of technical parameters ,please contact us.

4-way Power Dividers

P/N: PDC002A00X04

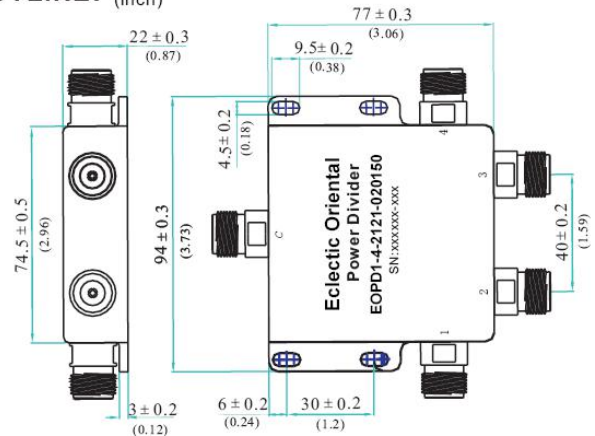
【Features】

- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ 0°C power divider with N-Female connector
- ❖ Good conformity

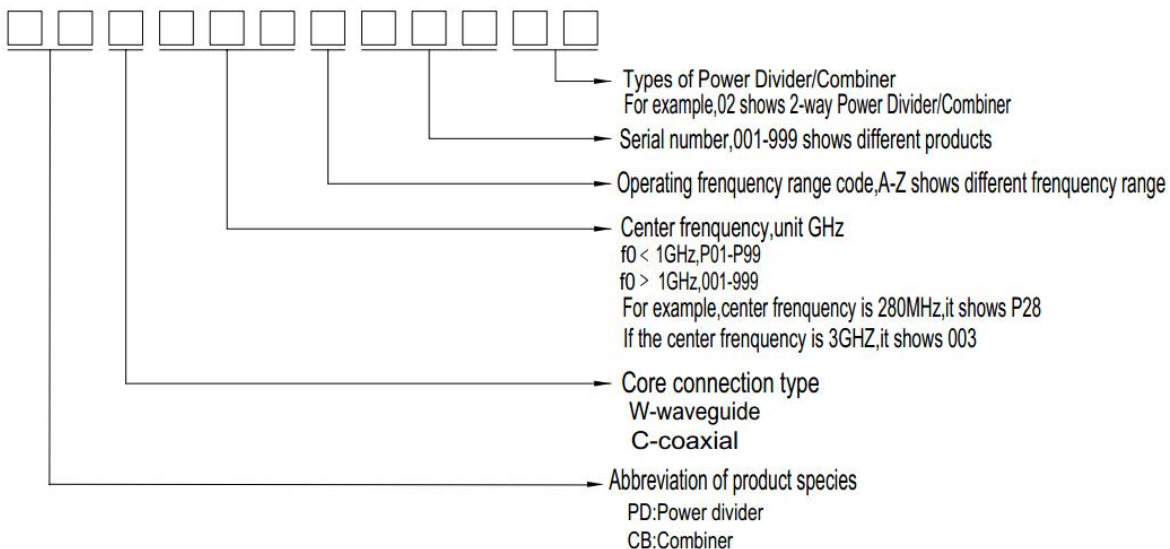
【Specifications】

Model No.	PDC002A00X04
Frequency Range	0.8-2.5GHz
Insertion Loss	0.7 dB.
Isolation	20 dB.
Input/output VSWR	1.3/1.25
Amplitude Balance	±0.30dB
Connector	N-F
Power Handling	50W
Operating Temp.	- 20~ + 70°C

OUTLINE: $\frac{\text{mm}}{\text{(inch)}}$



【Model Number Description】





Model No.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	Input VSWR	Output VSWR	Amplitude Balance (dB)	Phase Balance	Connector	Power Handling (W)	Working Temperature (°C)
PDC010A00104	1-18	2.9	14	1.80	1.60	±0.80	±10°	SMA-F	30	-55~+85
PDC010B00104	2-18	2.20	16	1.65	1.60	±0.60	±10°	SMA-F	30	-55~+85
PDC007A00104	1-12.4	2.80	16	1.60	1.35	±0.50	±7°	SMA-F	30	-55~+85
PDC003A00104	0.5-6	1.80	16	1.60	1.50	±0.30	±4°	SMA-F	30	-55~+85
PDC003B00104	1-8	2.20	15	1.50	1.40	±0.40	±8°	SMA-F	30	-55~+85
PDC001A00104	0.5-2	1.00	20	1.30	1.20	±0.30	±3°	SMA-F	30	-55~+85
PDC002A00104	0.8-2.5	0.70	20	1.30	1.20	±0.30	±6°	SMA-F	30	-55~+85
PDC003A00104	1-4	0.80	20	1.30	1.20	±0.30	±4°	SMA-F	30	-55~+85
PDC005A00104	2-8	1.20	17	1.40	1.35	±0.40	±5°	SMA-F	30	-55~+85
PDC011A00104	4-18	0.80	18	1.50	1.50	±0.40	±5°	SMA-F	30	-55~+85
PDCP75A00104	0.5-1	0.60	20	1.25	1.20	±0.30	±3°	SMA-F	30	-55~+85
PDC002C00104	1-2	0.60	20	1.30	1.20	±0.30	±3°	SMA-F	30	-55~+85
PDC003C00104	2-4	0.60	20	1.30	1.20	±0.30	±3°	SMA-F	30	-55~+85
PDC006A00104	4-8	0.80	20	1.30	1.25	±0.30	±3°	SMA-F	30	-55~+85
PDC012A00104	6-18	0.70	18	1.60	1.50	±0.50	±8°	SMA-F	30	-55~+85
PDC002A00204	0.8-2.5	0.30	18	1.25	1.25	---	---	N-F	300 /3K	-20~+70
PDC002A00304	0.8-2.5	0.70	20	1.30	1.25	±0.30	---	N-F	50	-20~+70
PDC002B00104	0.8-3.5	0.25	20	1.25	1.20	---	---	N-F	300 /3K	-20~+70

Note:1, All the above are technical indexes at normal temperature.

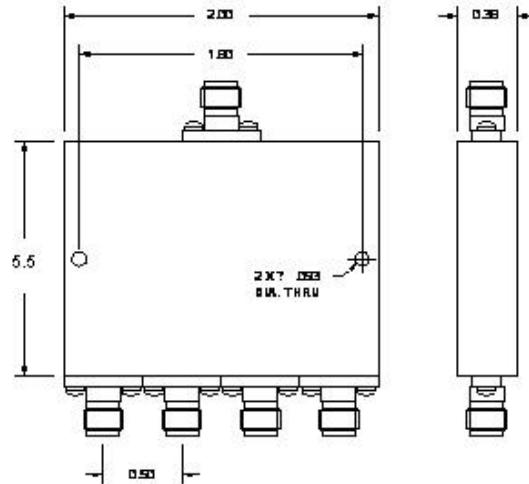
2, Above devices can be dedicated to the design according to customers' needs.

3, If you have other requirements or the table does not list of technical parameters ,please contact us.

4-way Power Dividers/Combiners

P/N: PDC002A00X04/CBC002A00X04

OUTLINE(Inch)



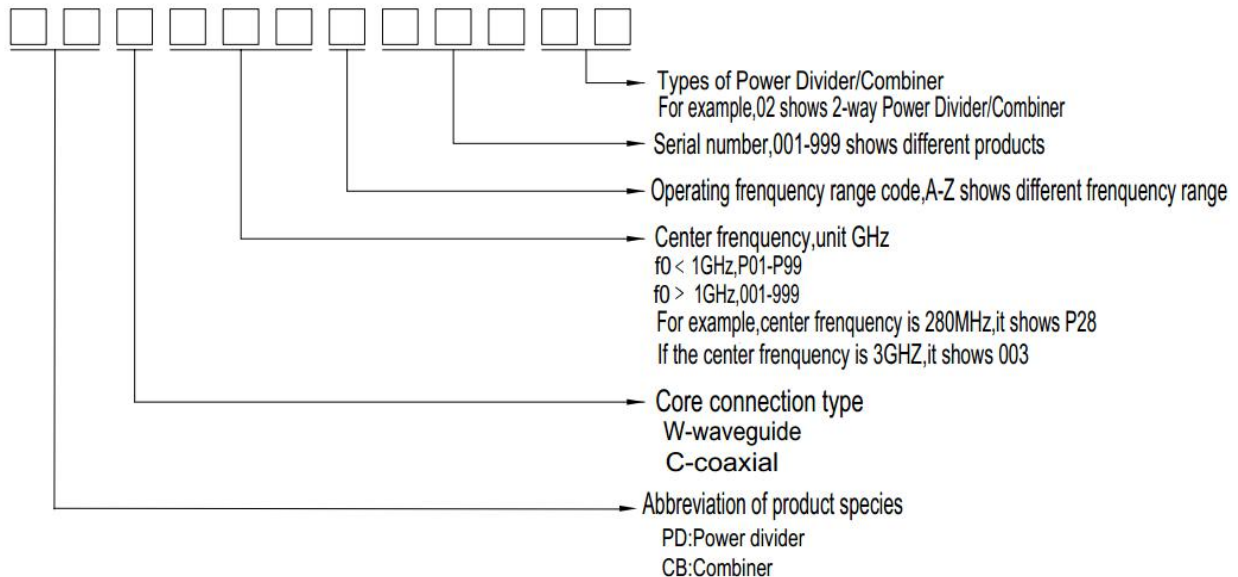
【Features】

- ❖ Compact Size
- ❖ High isolation
- ❖ Low Insertion Loss
- ❖ Wide Operating Temperature Range
- ❖ Low Profile
- ❖ Excellent Amplitude and Phase Tracking
- ❖ High Handling Power

【Specifications】

Model No.	PDC002A00X04/CBC002A00X04
Frequency Range	0.5-4.0GHz
Insertion Loss (Typ/Max)	1.4 dB./1.7 dB
Isolation (Typ/Max)	21 dB/19 dB
Input/output VSWR	1.40/1.30
Amplitude Balance	±0.20dB
Phase Balance	2.0deg
Input Power	50W

【Model Number Description】





Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
4-Way Multi-Octave Band Power Dividers/combiners												
CBC002A00104	0.5-4	21	19	1.4	1.7	0.2	2	1.40	1.50	1.30	1.40	50
CBC002B00104	0.7-2.6	21	19	0.8	1.0	0.15	2	1.35	1.45	1.25	1.35	30
CBC002C00104	0.8-2.2	22	20	0.7	0.9	0.15	2	1.30	1.40	1.25	1.30	30
CBC003A00104	1-4	22	20	0.9	1.2	0.15	2	1.35	1.45	1.25	1.35	30
CBC005A00104	2-8	21	19	1.1	1.3	0.25	2.5	1.40	1.45	1.30	1.40	30
CBC010A00104	2-18	17	15	2.8	3.2	0.3	3	1.55	1.65	1.45	1.55	50
CBC006A00104	3-9	21	19	1.1	1.3	0.2	2.5	1.30	1.40	1.25	1.30	30
CBC008A00104	3-12	20	18	1.2	1.5	0.25	3.5	1.50	1.60	1.35	1.45	30
CBC012A00104	4-20	17	15	2.5	2.8	0.3	4.5	1.65	1.75	1.50	1.60	30
CBC012B00104	6-18	20	18	1.5	1.8	0.2	3	1.50	1.60	1.35	1.45	30
CBC016A00104	6-26.5	18	16	3.0	3.5	0.4	6	1.70	1.80	1.50	1.60	30
CBC025A00104	10-40	16	14	4.0	4.5	0.6	7	1.85	2.0	1.70	1.80	20
4-Way Octave-Band Power Dividers/combiners												
CBCP75A00104	0.5-1.0	24	22	0.4	0.6	0.1	1.5	1.25	1.30	1.15	1.20	20
CBC001A00104	0.8-1.6	24	22	0.5	0.7	0.1	1.5	1.25	1.30	1.15	1.20	20
CBC002D00104	1.0-2.0	22	20	0.5	0.7	0.15	1.5	1.25	1.30	1.15	1.20	20
CBC002E00104	1.5-3.0	23	21	0.6	0.8	0.15	1.5	1.25	1.35	1.20	1.30	20
CBC003B00104	2-4	22	20	0.6	0.8	0.15	2	1.30	1.35	1.25	1.35	20
CBC005B00104	3-6	22	20	0.7	0.9	0.15	2	1.30	1.35	1.25	1.35	20
CBC006B00104	4-8	20	18	1.0	1.2	0.15	2	1.30	1.40	1.25	1.35	20
CBC009A00104	6-12	20	18	1.0	1.2	0.2	3	1.35	1.45	1.30	1.35	20
CBC012C00104	8-16	20	18	1.2	1.4	0.2	4	1.35	1.45	1.30	1.35	20
CBC023A00104	12-24	19	17	1.5	1.7	0.3	4.5	1.40	1.50	1.35	1.45	10
CBC024A00104	16-32	18	16	1.8	2.0	0.3	5.5	1.45	1.55	1.35	1.45	10
CBC027A00104	18-36	17	15	2.2	2.4	0.4	6	1.50	1.60	1.35	1.45	10
CBC030A00104	20-40	15	13	2.6	2.8	0.4	7	1.60	1.70	1.40	1.50	10



Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
4-Way Narrow Band Power Dividers/combiners												
CBCP85A00104	0.8-0.9	25	23	0.4	0.6	0.1	1	1.15	1.20	1.10	1.15	10
CBC002F00104	1.8-2.0	24	22	0.4	0.6	0.1	1	1.15	1.20	1.10	1.15	10
CBC006C00104	5.4-5.9	23	21	0.6	0.8	0.1	1	1.20	1.25	1.15	1.20	10
CBC010B00104	9.5-10	23	21	0.7	0.9	0.15	1.5	1.20	1.25	1.15	1.20	10
CBC013A00104	12.7-13.3	23	21	0.9	1.1	0.15	1.5	1.20	1.30	1.15	1.20	6
CBC014A00104	14-14.5	22	20	0.9	1.1	0.15	1.5	1.20	1.30	1.15	1.20	6
CBC020A00104	19.3-19.7	22	20	1.1	1.3	0.15	2	1.25	1.35	1.20	1.30	6
CBC021A00104	20.2-21.2	22	20	1.2	1.4	0.2	2	1.25	1.35	1.20	1.30	6
CBC030A00104	29.3-31	20	18	1.4	1.6	0.2	4	1.35	1.45	1.25	1.35	5
CBC038A00104	37-39.6	18	16	1.8	2.0	0.3	5	1.40	1.50	1.30	1.40	5

- Note:1, All the above are technical indexes at normal temperature.
 2, Above devices can be dedicated to the design according to customers' needs.
 3, If you have other requirements or the table does not list of technical parameters ,please contact us.



Other Types of Power Dividers/Combiners

Model No.	Frequency (GHz)	Isolation		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		Typ	Max			Input		Output		
		Typ	Min					Typ	Max	Typ	Max	
5-way Octave-Band power dividers/combiners												
CBCP75A00105	0.5-1.0	22	20	0.6	0.8	0.2	2	1.25	1.35	1.20	1.30	30
CBC002A00105	1.0-2.0	22	20	0.7	0.9	0.2	2	1.25	1.35	1.20	1.30	30
CBC002B00105	1.5-3.0	21	19	0.8	1.0	0.2	2	1.25	1.35	1.20	1.30	30
CBC003A00105	2-4	20	18	0.8	1.0	0.25	3	1.35	1.45	1.30	1.40	30
CBC006A00105	4-8	18	16	1.2	1.4	0.35	3.5	1.40	1.50	1.30	1.40	30
CBC009A00105	6-12	18	16	1.4	1.6	0.4	4	1.40	1.50	1.35	1.45	30
5-way Specific Application Band dividers/combiners												
CBCP85A00105	0.8-0.9	23	21	0.6	0.8	0.1	1	1.20	1.25	1.15	1.20	15
CBC002C00105	1.8-2.0	22	20	0.6	0.8	0.1	1	1.20	1.25	1.15	1.20	15
CBC006B00105	5.4-5.9	21	19	0.8	1.0	0.15	2	1.25	1.35	1.20	1.30	15
CBC013A00105	12.7-13.3	21	19	1.2	1.4	0.2	2.5	1.30	1.40	1.25	1.35	10
CBC014A00105	14-14.5	20	18	1.2	1.4	0.2	2.5	1.30	1.40	1.25	1.35	8
CBC021A00105	20.2-21.2	18	16	1.8	2.0	0.3	4	1.40	1.50	1.30	1.40	8
CBC038A00105	37-39.6	16	14	2.4	2.6	0.4	6	1.50	1.60	1.40	1.50	5
6-Way Ultra Broadband Power Dividers/Combiners												
CBC001A00106	0.2-2.5	18	16	2.3	2.6	0.35	3	1.40	1.50	1.35	1.45	80
CBC005A00106	0.5-9	17	15	3.2	3.5	0.4	4.5	1.50	1.60	1.40	1.50	80
CBC006A00106	1-10	18	16	3.0	3.3	0.3	4	1.45	1.55	1.35	1.45	60
CBC010A00106	1-18	17	15	3.8	4.5	0.5	5	1.55	1.65	1.45	1.55	50
6-Way Multi-Octave Band Power Dividers/Combiners												
CBC002A00106	0.5-4	19	17	1.6	1.8	0.3	3.5	1.40	1.50	1.35	1.45	60
CBC002B00106	0.7-2.6	19	17	1.0	1.2	0.2	3	1.35	1.45	1.25	1.35	40
CBC002C00106	0.8-2.2	20	18	0.9	1.1	0.2	3	1.35	1.45	1.25	1.35	40
CBC003A00106	1-4	19	17	1.1	1.3	0.2	3.5	1.40	1.50	1.30	1.40	40
CBC005B00106	2-8	21	19	1.3	1.5	0.25	3.5	1.40	1.50	1.35	1.45	40
CBC006B00106	3-9	19	17	1.2	1.4	0.2	3	1.40	1.50	1.30	1.40	40
CBC008A00106	3-12	18	16	1.3	1.5	0.25	4	1.50	1.60	1.35	1.45	40
6-Way Octave-Band Power Dividers/Combiners												
CBCP75A00106	0.5-1.0	22	20	0.6	0.8	0.15	1.5	1.25	1.35	1.20	1.30	30
CBC001B00106	0.8-1.6	22	20	0.6	0.8	0.15	1.5	1.25	1.35	1.20	1.30	30
CBC002D00106	1.0-2.0	22	20	0.7	0.9	0.2	2	1.25	1.35	1.20	1.30	30
CBC002E00106	1.5-3.0	21	19	0.8	1.0	0.2	2	1.25	1.35	1.20	1.30	30
CBC003B00106	2-4	20	18	0.8	1.0	0.2	2	1.25	1.35	1.20	1.30	30
CBC005C00106	3-6	20	18	0.9	1.1	0.2	2.5	1.35	1.45	1.25	1.30	30



Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
								Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
CBC006C00106	4-8	18	16	1.0	1.2	0.2	2.5	1.35	1.45	1.25	1.30	30
CBC009A00106	6-12	18	16	1.2	1.4	0.3	3.5	1.40	1.50	1.30	1.40	30
CBC012A00106	8-16	17	15	1.4	1.6	0.35	4	1.45	1.55	1.35	1.45	30
6-Way Narrow Band Power Dividers/Combiners												
CBCP85A00106	0.8-0.9	23	21	0.5	0.7	0.1	1	1.25	1.35	1.20	1.30	15
CBC002F00106	1.8-2.0	22	20	0.5	0.7	0.1	1	1.25	1.35	1.20	1.30	15
CBC006D00106	5.4-5.9	21	19	0.7	0.9	0.15	2	1.30	1.40	1.25	1.35	15
CBC010B00106	9.5-10	21	19	0.9	1.1	0.15	2.5	1.35	1.45	1.30	1.40	15
CBC013A00106	12.7-13.3	21	19	1.1	1.3	0.15	3	1.35	1.45	1.30	1.40	10
CBC014A00106	14-14.5	20	18	1.1	1.3	0.15	3	1.35	1.45	1.30	1.40	8
CBC020A00106	19.3-19.7	18	16	1.4	1.5	0.25	4	1.40	1.50	1.35	1.45	8
CBC021A00106	20.2-21.2	18	16	1.5	1.7	0.25	4	1.40	1.50	1.35	1.45	8
CBC030A00106	29.3-31	17	15	1.7	2.0	0.3	4.5	1.50	1.60	1.40	1.50	5
CBC038A00106	37-39.6	16	14	2.2	2.5	0.3	5	1.60	1.80	1.50	1.60	5
7-Way Octave-Band Power Dividers/Combiners												
CBCP75A00107	0.5-1.0	22	20	0.7	1.0	0.2	2	1.35	1.45	1.25	1.35	30
CBC002A00107	1.0-2.0	22	20	0.8	1.1	0.2	2	1.35	1.45	1.25	1.35	30
CBC002B00107	1.5-3.0	21	19	0.9	1.2	0.2	2.5	1.35	1.45	1.25	1.35	30
CBC003A00107	2-4	20	18	0.9	1.2	0.25	3.5	1.40	1.50	1.30	1.40	30
CBC006A00107	4-8	18	16	1.4	1.7	0.35	4	1.40	1.50	1.30	1.40	30
CBC009A00107	6-12	18	16	1.6	1.9	0.4	4.5	1.45	1.55	1.35	1.45	30
7-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00107	0.8-0.9	23	21	0.7	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC002C00107	1.8-2.0	22	20	0.7	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC006B00107	5.4-5.9	21	19	1.0	1.3	0.15	2.5	1.30	1.40	1.25	1.35	15
CBC013A00107	12.7-13.3	21	19	1.4	1.7	0.2	3	1.35	1.45	1.25	1.35	10
CBC014A00107	14-14.5	20	18	1.4	1.7	0.2	3	1.35	1.45	1.25	1.35	8
CBC021A00107	20.2-21.2	18	16	2.0	2.5	0.3	4.5	1.45	1.55	1.35	1.45	8
8-Way Multi-Octave Band Power Dividers/Combiners												
CBC002A00108	0.5-4	21	19	2.2	2.5	0.25	2	1.45	1.55	1.30	1.40	50
CBC002B00108	0.7-2.6	21	19	1.2	1.5	0.2	2	1.40	1.50	1.25	1.35	30
CBC002C00108	0.8-2.2	22	20	1.1	1.4	0.2	2	1.35	1.45	1.25	1.30	30
CBC003A00108	1-4	22	20	1.3	1.6	0.2	2.5	1.40	1.50	1.25	1.35	30
CBC005A00108	2-8	21	19	1.6	1.9	0.3	3	1.45	1.50	1.30	1.40	30
CBC010A00108	2-18	17	15	3.9	4.3	0.35	4	1.60	1.70	1.45	1.55	50
CBC006A00108	3-9	21	19	1.7	2.0	0.25	3	1.35	1.45	1.25	1.35	30



Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
CBC012A00108	4-20	17	15	4.0	4.4	0.35	5	1.70	1.80	1.50	1.60	30
CBC012B00108	6-18	20	18	2.2	2.6	0.25	3.5	1.55	1.65	1.35	1.45	30
CBC016A00108	6-26.5	18	16	4.8	5.2	0.45	6.5	1.75	1.85	1.50	1.60	30
CBC025A00108	10-40	16	14	6.0	6.4	0.65	7.5	1.90	2.1	1.70	1.80	20

8-Way Octave-Band Power Dividers/Combiners

CBCP75A00108	0.5-1.0	24	22	0.7	1.0	0.15	1.5	1.30	1.35	1.15	1.20	20
CBC001A00108	0.8-1.6	24	22	0.8	1.1	0.15	1.5	1.30	1.35	1.15	1.20	20
CBC002D00108	1.0-2.0	24	22	0.8	1.1	0.15	1.5	1.30	1.35	1.15	1.20	20
CBC002F00108	1.5-3.0	23	21	0.9	1.2	0.2	1.5	1.30	1.35	1.20	1.30	20
CBC003B00108	2-4	22	20	0.9	1.2	0.2	2	1.35	1.45	1.25	1.35	20
CBC005B00108	3-6	22	20	1.1	1.4	0.2	2	1.35	1.45	1.25	1.35	20
CBC006B00108	4-8	20	18	1.5	1.8	0.2	2.5	1.35	1.45	1.25	1.35	20
CBC009A00108	6-12	20	18	1.6	1.9	0.25	3.5	1.40	1.50	1.30	1.35	20
CBC012C00108	8-16	20	18	1.8	2.1	0.25	4.5	1.40	1.50	1.30	1.35	20
CBC018A00108	12-24	19	17	2.4	2.7	0.35	5	1.45	1.55	1.35	1.45	10
CBC024A00108	16-32	18	16	2.8	3.1	0.35	6	1.55	1.65	1.35	1.45	10
CBC027A00108	18-36	17	15	3.4	3.7	0.45	6.5	1.55	1.65	1.35	1.45	10
CBC030A00108	20-40	15	13	4.0	4.3	0.45	7.5	1.70	1.80	1.40	1.50	10

8-Way Narrow Band Power Dividers/Combiners

CBCP85A00108	0.8-0.9	25	23	0.6	0.9	0.1	1	1.25	1.35	1.15	1.25	10
CBC002G00108	1.8-2.0	24	22	0.6	0.9	0.1	1	1.25	1.35	1.15	1.25	10
CBC006C00108	5.4-5.9	23	21	0.9	1.2	0.1	1	1.35	1.45	1.25	1.35	10
CBC008A00108	9.5-10	23	21	1.1	1.4	0.15	2	1.35	1.45	1.25	1.35	10
CBC013A00108	12.7-13.3	23	21	1.4	1.7	0.15	2	1.40	1.50	1.25	1.35	6
CBC014A00108	14-14.5	22	20	1.4	1.7	0.15	2	1.40	1.50	1.25	1.35	6
CBC020A00108	19.3-19.7	22	20	1.7	2.0	0.15	3	1.45	1.60	1.30	1.40	6
CBC021A00108	20.2-21.2	22	20	1.8	2.1	0.2	3	1.45	1.60	1.30	1.45	6
CBC030A00108	29.3-31	20	18	2.2	2.5	0.2	4	1.55	1.7	1.35	1.50	5
CBC038A00108	37-39.6	18	16	2.8	3.1	0.3	5	1.55	1.7	1.35	1.50	5

9-Way Ultra-Broadband Power Dividers/Combiners

CBC002A00109	0.2-2.5	18	16	2.6	2.9	0.35	4	1.45	1.55	1.35	1.45	80
CBC005A00109	0.5-9	17	15	3.6	3.9	0.45	5	1.50	1.60	1.35	1.45	80
CBC006A00109	1-10	18	16	3.0	3.3	0.35	5	1.45	1.55	1.35	1.45	60
CBC010A00109	1-18	17	15	4.2	4.5	0.45	5	1.55	1.65	1.45	1.55	50



Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
9-Way Multi-Octave Band Power Dividers/Combiners												
CBC002B00109	0.5-4	19	17	1.8	2.1	0.35	4	1.40	1.50	1.35	1.45	60
CBC002C00109	0.7-2.6	19	17	1.2	1.5	0.2	3	1.35	1.45	1.25	1.35	40
CBC002D00109	0.8-2.2	20	18	1.0	1.3	0.2	3	1.5	1.45	1.25	1.35	40
CBC003A00109	1-4	19	17	1.2	1.5	0.2	4	1.45	1.55	1.35	1.45	40
CBC005B00109	2-8	21	19	1.4	1.7	0.25	4	1.45	1.55	1.35	1.45	40
CBC006B00109	3-9	19	17	1.2	1.5	0.25	4	1.45	1.55	1.35	1.45	40
CBC008A00109	3-12	18	16	1.4	1.7	0.3	4.5	1.55	1.65 1	1.40	1.5	40
9-Way Octave-Band Power Dividers/Combiners												
CBCP75A00109	0.5-1.0	22	20	0.6	0.9	0.15	2	1.30	1.40	1.20	1.30	30
CBC001A00109	0.8-1.6	22	20	0.6	0.9	0.15	2	1.30	1.40	1.20	1.30	30
CBC002E00109	1.0-2.0	22	20	0.7	1.0	0.2	2	1.35	1.45	1.25	1.35	30
CBC002F00109	1.5-3.0	21	19	0.8	1.1	0.2	2.5	1.35	1.45	1.25	1.35	30
CBC003B00109	2-4	20	18	0.8	1.1	0.2	2.5	1.40	1.50	1.30	1.40	30
CBC005C00109	3-6	20	18	1.0	1.3	0.2	2.5	1.40	1.50	1.30	1.40	30
CBC006C00109	4-8	18	16	1.2	1.5	0.3	3.5	1.40	1.50	1.30	1.40	30
CBC009A00109	6-12	18	16	1.4	1.7	0.3	3.5	1.45	1.55	1.35	1.45	30
CBC012A00109	8-16	17	15	1.6	1.9	0.3	4	1.50	1.60	1.40	1.50	30
9-Way Narrow Band Power Dividers/Combiners												
CBCP85A00109	0.8-0.9	23	21	0.6	0.8	0.1	1.5	1.25	1.35	1.20	1.30	15
CBC002G00109	1.8-2.0	22	20	0.6	0.8	0.1	1.5	1.25	1.35	1.20	1.30	15
CBC006D00109	5.4-5.9	21	19	0.8	1.1	0.15	2	1.30	1.40	1.25	1.35	15
CBC010B00109	9.5-10	21	19	1.0	1.3	0.15	3	1.35	1.45	1.25	1.35	15
CBC013A00109	12.7-13.3	21	19	1.2	1.5	0.15	3	1.35	1.45	1.25	1.35	10
CBC014A00109	14-14.5	20	18	1.2	1.5	0.2	3	1.40	1.50	1.30	1.40	8
CBC020A00109	19.3-19.7	18	16	1.6	1.9	0.25	3.5	1.45	1.55	1.35	1.45	8
CBC021A00109	20.2-21.2	18	16	1.8	2.1	0.25	3.5	1.50	1.60	1.35	1.45	8
CBC030A00109	29.3-31	17	15	2.0	2.3	0.3	5	1.55	1.65	1.4	1.50	5
CBC038A00109	37-39.6	16	14	2.4	2.7	0.3	5	1.60	1.80	1.50	1.60	5
10-Way Octave-Band Power Dividers/Combiners												
CBCP75A00110	0.5-1.0	22	20	0.8	1.1	0.2	2	1.35	1.45	1.25	1.35	30
CBC002A00110	1.0-2.0	22	20	0.9	1.2	0.2	2	1.35	1.45	1.25	1.35	30
CBC002B00110	1.5-3.0	21	19	1.0	1.3	0.2	2.5	1.35	1.45	1.25	1.35	30
CBC003A00110	2-4	20	18	1.0	1.3	0.25	3.5	1.40	1.50	1.30	1.40	30
CBC006A00110	4-8	18	16	1.5	1.8	0.35	4	1.40	1.50	1.30	1.40	30
CBC009A00110	6-12	18	16	1.7	2.0	0.4	4.5	1.45	1.55	1.35	1.45	30



Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
10-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00110	0.8-0.9	23	21	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC002C00110	1.8-2.0	22	20	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC006B00110	5.4-5.9	21	19	1.1	1.4	0.15	2.5	1.30	1.40	1.25	1.35	15
CBC013A00110	12.7-13.3	21	19	1.5	1.6	0.2	3	1.35	1.45	1.25	1.35	10
CBC014A00110	14-14.5	20	18	1.5	1.8	0.2	3	1.35	1.45	1.25	1.35	8
CBC021A00110	20.2-21.2	18	16	2.1	2.6	0.3	4.5	1.45	1.55	1.35	1.45	8
11-Way Octave-Band Power Dividers/Combiners												
CBCP75A00111	0.5-1.0	22	20	0.8	1.1	0.2	2	1.35	1.45	1.25	1.35	30
CBC002A00111	1.0-2.0	22	20	0.9	1.2	0.2	2	1.35	1.45	1.25	1.35	30
CBC002B00111	1.5-3.0	21	19	1.0	1.3	0.2	2.5	1.35	1.45	1.25	1.35	30
CBC003A00111	2-4	20	18	1.0	1.3	0.25	3.5	1.40	1.50	1.30	1.40	30
CBC006A00111	4-8	18	16	1.5	1.8	0.35	4	1.40	1.50	1.30	1.40	30
CBC009A00111	6-12	18	16	1.7	2.0	0.4	4.5	1.45	1.55	1.35	1.45	30
11-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00111	0.8-0.9	23	21	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC002C00111	1.8-2.0	22	20	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC006A00111	5.4-5.9	21	19	1.1	1.4	0.15	2.5	1.30	1.40	1.25	1.35	15
CBC013A00111	12.7-13.3	21	19	1.5	1.6	0.2	3	1.35	1.45	1.25	1.35	10
CBC014A00111	14-14.5	20	18	1.5	1.8	0.2	3	1.35	1.45	1.25	1.35	8
CBC021A00111	20.2-21.2	18	16	2.1	2.6	0.3	4.5	1.45	1.55	1.35	1.45	8
12-Way Octave-Band Power Dividers/Combiners												
CBCP75A00112	0.5-1.0	22	20	0.8	1.1	0.2	2	1.35	1.45	1.25	1.35	30
CBC002A00112	1.0-2.0	22	20	0.9	1.2	0.2	2	1.35	1.45	1.25	1.35	30
CBC002B00112	1.5-3.0	21	19	1.0	1.3	0.2	2.5	1.35	1.45	1.25	1.35	30
CBC003A00112	2-4	20	18	1.0	1.3	0.25	3.5	1.40	1.50	1.30	1.40	30
CBC005A00112	4-8	18	16	1.5	1.8	0.35	4	1.40	1.50	1.30	1.40	30
CBC009A00112	6-12	18	16	1.7	2.0	0.4	4.5	1.45	1.55	1.35	1.45	30
12-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00112	0.8-0.9	23	21	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC002C00112	1.8-2.0	22	20	0.8	1.0	0.1	1	1.25	1.35	1.20	1.25	15
CBC006A00112	5.4-5.9	21	19	1.1	1.4	0.15	2.5	1.30	1.40	1.25	1.35	15
CBC013A00112	12.7-13.3	21	19	1.5	1.6	0.2	3	1.35	1.45	1.25	1.35	10
CBC014A00112	14-14.5	20	18	1.5	1.8	0.2	3	1.35	1.45	1.25	1.35	8
CBC021A00112	20.2-21.2	18	16	2.1	2.6	0.3	4.5	1.45	1.55	1.35	1.45	8



Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		Typ	Min	Typ	Max			Input		Output		
								Typ	Max	Typ	Max	
13-Way Octave-Band Power Dividers/Combiners												
CBCP75A00113	0.5-1.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002A00113	1.0-2.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002B00113	1.5-3.0	21	19	1.2	1.4	0.2	2.5	1.40	1.50	1.25	1.35	30
CBC003A00113	2-4	20	18	1.2	1.4	0.25	3.5	1.45	1.55	1.30	1.40	30
CBC006A00113	4-8	18	16	1.7	2.0	0.4	4.5	1.45	1.55	1.30	1.40	30
CBC009A00113	6-12	18	16	1.9	2.2	0.45	5	1.5	1.60	1.35	1.45	30
13-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00113	0.8-0.9	23	21	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC002C00113	1.8-2.0	22	20	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC006B00113	5.4-5.9	21	19	1.3	1.5	0.15	3.5	1.3	1.45	1.30	1.40	15
CBC013A00113	12.7-13.3	21	19	1.7	2.0	0.25	4	1.40	1.50	1.30	1.40	10
CBC014A00113	14-14.5	20	18	1.7	2.0	0.25	4	1.40	1.50	1.30	1.40	8
CBC021A00113	20.2-21.2	18	16	2.3	2.7	0.35	6	1.55	1.70	1.35	1.50	8
CBCP85A00213	0.8-0.9	23	21	0.7	1.0	0.1	1	1.25	1.35	1.20	1.25	15
15-Way Octave-Band Power Dividers/Combiners												
CBCP75A00115	0.5-1.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002A00115	1.0-2.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002B00115	1.5-3.0	21	19	1.2	1.4	0.2	2.5	1.40	1.50	1.25	1.35	30
CBC003A00115	2-4	20	18	1.2	1.4	0.25	3.5	1.45	1.55	1.30	1.40	30
CBC006A00115	4-8	18	16	1.7	2.0	0.4	4.5	1.45	1.55	1.30	1.40	30
CBC009A00115	6-12	18	16	1.9	2.2	0.45	5	1.50	1.60	1.35	1.45	30
15-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00115	0.8-0.9	23	21	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC002C00115	1.8-2.0	22	20	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC006B00115	5.4-5.9	21	19	1.3	1.5	0.15	3.5	1.35	1.45	1.30	1.40	15
CBC013A00115	12.7-13.3	21	19	1.7	2.0	0.25	4	1.40	1.50	1.30	1.40	10
CBC014A00115	14-14.5	20	18	1.7	2.0	0.25	4	1.40	1.50	1.30	1.40	8
CBC021A00115	20.2-21.2	18	16	2.3	2.7	0.35	6	1.55	1.70	1.35	1.50	8
16-Way Octave-Band Power Dividers/Combiners												
CBCP75A00116	0.5-1.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002A00116	1.0-2.0	22	20	1.1	1.3	0.2	2	1.40	1.50	1.25	1.35	30
CBC002B00116	1.5-3.0	21	19	1.3	1.5	0.2	2.5	1.40	1.50	1.25	1.35	30
CBC003A00116	2-4	20	18	1.3	1.5	0.25	3.5	1.45	1.55	1.30	1.40	30
CBC006A00116	4-8	18	16	2.0	2.2	0.4	4.5	1.45	1.55	1.30	1.40	30



Model No.	Frequency (GHz)	Isolation (dB)		Insertion Loss (dB)		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		Typ	Min	Typ	Max			Input		Output		
								Typ	Max	Typ	Max	
CBC009A00116	6-12	18	16	2.0	2.2	0.45	5	1.50	1.60	1.35	1.45	30
16-Way Specific Application Band Power Dividers/Combiners												
CBCP85A00116	0.8-0.9	23	21	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC002C00116	1.8-2.0	22	20	0.9	1.1	0.1	1.5	1.30	1.40	1.25	1.30	15
CBC006B00116	5.4-5.9	21	19	1.3	1.5	0.15	3.5	1.35	1.45	1.30	1.40	15
CBC013A00116	12.7-13.3	21	19	1.8	2.1	0.25	4	1.40	1.50	1.30	1.40	10
CBC014A00116	14-14.5	20	18	1.8	2.1	0.25	4	1.40	1.50	1.30	1.40	8
CBC021A00116	20.2-21.2	18	16	2.4	2.8	0.35	6	1.55	1.70	1.35	1.50	8
24-Way Power Dividers/Combiners-- One Row Output												
CBC002A00124	1.8-2.0	22	20	1.3	1.6	0.1	2	1.30	1.40	1.25	1.30	15
CBC006A00124	5.4-5.9	21	19	1.6	1.9	0.15	4	1.35	1.45	1.30	1.40	15
CBC013A00124	12.7-13.3	21	19	2.2	2.6	0.25	5	1.40	1.50	1.30	1.40	10
CBC014A00124	14-14.5	20	18	2.4	2.8	0.25	6	1.40	1.50	1.30	1.40	8
CBC021A00124	20.2-21.2	18	16	2.8	3.3	0.35	7	1.55	1.70	1.35	1.50	8
24-Way Power Dividers/Combiners-- Two Row Output												
CBC002A00224	1.8-2.0	22	20	1.1	1.4	0.1	2	1.30	1.40	1.25	1.30	15
CBC006A00224	5.4-5.9	21	19	1.4	1.7	0.15	4	1.35	1.45	1.30	1.40	15
CBC013A00224	12.7-13.3	21	19	1.9	2.3	0.25	5	1.40	1.50	1.30	1.40	10
CBC014A00224	14-14.5	20	18	2.0	2.5	0.25	6	1.40	1.50	1.30	1.40	8
CBC021A00224	20.2-21.2	18	16	2.6	3.0	0.35	7	1.55	1.70	1.35	1.50	8
Lump Element Ultra Broad-Band Power Dividers/Combiners												
CBCP06A001XX	0.01-0.1	25	20	0.3	0.5	0.1	1	1.20	1.25	1.20	1.25	30
CBCP28A001XX	0.05-0.5	25	20	0.3	0.5	0.1	1	1.20	1.25	1.20	1.25	30
CBCP55A001XX	0.1-1	25	20	0.5	0.8	0.15	1.5	1.20	1.25	1.20	1.25	30
CBC001A001XX	0.2-2	25	20	0.6	1.0	0.2	2	1.25	1.35	1.25	1.35	30
Lump Element Octave-Band Power Dividers/Combiners												
CBCP06A002XX	0.05-0.1	25	22	0.15	0.2	0.1	1	1.20	1.25	1.20	1.25	15
CBCP15A001XX	0.1-0.2	25	22	0.15	0.2	0.1	1	1.20	1.25	1.20	1.25	15
CBCP30A001XX	0.2-0.4	25	22	0.15	0.2	0.1	1	1.20	1.25	1.20	1.25	15
CBCP45A001XX	0.3-0.6	25	22	0.2	0.3	0.1	1	1.20: 1	1.25	1.20	1.25	10
CBCP60A001XX	0.4-0.8	25	22	0.2	0.3	0.1	1.5	1.20	1.25	1.20	1.25	8
CBCP75A001XX	0.5-1	25	22	0.25	0.35	0.15	1.5	1.20	1.25	1.20	1.25	8



Model No.	Frequency (GHz)	Isolation		Insertion Loss		Amplitude Balance (±dB) (Max)	Phase Balance (±deg) (Max)	VSWR				Input Power (Watt)
		(dB)		(dB)				Input		Output		
		Typ	Min	Typ	Max			Typ	Max	Typ	Max	
2-Way Surface Mounted Power Dividers/Combiners												
CBMP84A00102	0.82-0.85	25	22	0.15	0.3	0.1	1	1.15	1.25	1.15	1.25	15
CBM002A00102	1.85-1.91	25	22	0.2	0.3	0.1	1	1.15	1.25	1.15	1.25	15
CBM006A00102	5.4-5.9	23	20	0.3	0.5	0.1	1	1.25	1.35	1.20	1.30	10
CBM010A00102	9.5-10	23	20	0.35	0.6	0.15	2	1.25	1.35	1.20	1.30	8
CBM014A00102	14-14.5	22	19	0.4	0.6	0.15	2.5	1.35	1.45	1.30	1.40	8
4-Way Surface Mounted Power Dividers/Combiners												
CBMP84A00104	0.82-0.85	25	22	0.3	0.5	0.1	1	1.15	1.25	1.15	1.25	15
CBM002A00104	1.85-1.91	25	22	0.4	0.6	0.1	1	1.15	1.25	1.15	1.25	15
CBM006A00104	5.4-5.9	23	20	0.6	0.8	0.1	1.5	1.25	1.35	1.20	1.30	10
CBM010A00104	9.5-10	23	20	0.7	0.9	0.15	2.5	1.30	1.40	1.25	1.35	8
CBM014A00104	14-14.5	22	19	0.8	1.0	0.15	3	1.40	1.50	1.30	1.40	8
Resistive Power Dividers/Combiners												
CBC009A001XX	DC-18			1.3	1.5			1.25	1.35	1.25	1.35	
CBC013A001XX	DC-26.5			2.3	2.5			1.3	1.5	1.3	1.5	
CBC020A001XX	DC-40			2.5	3.0			1.50	1.60	1.50	1.60	