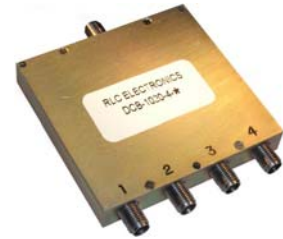


# DC Block Power Dividers & Combiners 1.0 to 2.0 GHz

## 2, 3 & 4 way



RLC Electronics' series DCB-1020 is an in phase power divider/combiner with high isolation, small size and superior performance in a single package. All microstrip and stripline power dividers typically pass DC on all ports. These units utilize microstrip construction with blocking capacitors on all ports except those that are intended to pass DC.

### DCB-1020-<sup>1-2</sup>

Model. No.	Freq. GHz	Isol. (dB) min.	VSWR Max	I.L. (dB) max	Ampl. Bal (dB)	Phase Bal	Dimensions		
							A	B	C
DCB-1020-2-	1.0-2.0	20	1.25	.3	+/- .2	+/- 3 deg	3.25	.88	.44
DCB-1020-3-	1.0-2.0	19	1.45	.3	+/- .3	+/- 3 deg	2.30	1.80	.60
DCB-1020-4-	1.0-2.0	20	1.30	.6	+/- .3	+/- 3 deg	2.30	2.40	.60

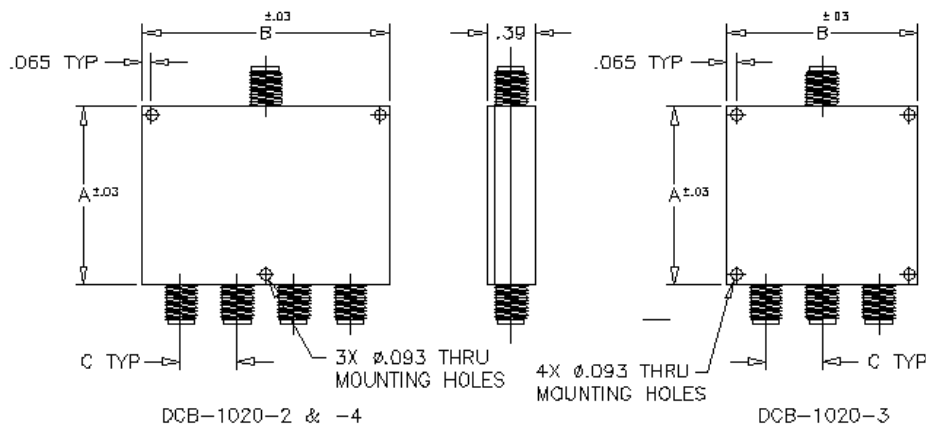
**Power:** 10 watts avg.  
(outputs terminated with a VSWR less than 1.35)  
200 mw avg.  
(outputs terminated with any VSWR and phase)

**Connectors:** SMA female  
**Impedance:** 50 ohms  
**Voltage:** 50 vdc max  
**Environment:** MIL-E-5400, Class 1A

#### To designate the DC block power divider desired use:

- 2 for 2 way, -3 for 3 way, -4 for 4 way
- DC to port thru -1 for port 1, -2 for port 2, -3 for port 3, -4 for port 4, -0 to block all ports

Example: DCB-1020-4-2 is a 1-2 GHz 4 way power divider with "DC" passing thru from input to port 2. (all other ports blocked)



Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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