

Avantel offers in-phase (Wilkinson) Power Dividers and Combiners in the frequency range HF through 12 GHz. Power Divider is basically a passive network with one input and N in-phase outputs. They can be designed to have very good amplitude balance between the output ports. They have high isolation between the output signals. The number of output ports available in standard models is 2, 3 and 4. A simple single section device provides up to octave bandwidth. However, for multioctave bandwidth, multisection upto 8 sections are generally used. They are realised both in stripline and microstrip technology depending upon the user requirement. Avantel has the expertise in development of power dividers and combiners, which can handle power of the order of 1 KW. High power combiners are available in 2-way, 3-way and 4-way configuration only.

### Applications

Inphase Power Dividers / Combiners are widely used for:

- coherent power splitting of local oscillator power.
- antenna feedback network of phased array radars.
- external levelling and radio measurements.
- power combining of multiple input signals.
- Power combining of high power amplifiers.

Model No.	Type	Frequency (MHz)	Insertion Loss (max.) (dB)	Isolation (min.) (dB)	VSWR (max.)	Amplitude Imbalance dB	Phase Imbalance ±deg	Unit Price*
APD 100-2	2	20 - 100	3.5	15	1.5:1	0.3	3	\$120
APC 100-2	2	20 - 100	3.5	15	1.5:1	0.3	3	\$135
APD 175-2	2	135 - 175	3.3	18	1.3:1	0.2	2	\$135
APC 175-2	2	135 - 175	3.3	18	1.3:1	0.2	2	\$265
APD 250-2	2	100 - 250	3.4	15	1.5:1	0.3	3	\$120
APC 250-2	2	100 - 250	3.4	15	1.5:1	0.3	3	\$135
APD 500-2	2	250 - 500	3.4	13	1.5:1	0.3	3	\$120
APC 500-2	2	250 - 500	3.4	13	1.5:1	0.3	3	\$135
APC 925-2	2	890 - 960	3.4	21	1.5:1	0.2	2	\$135
APD 1500-2	2	800 - 2200	3.4	20	1.3:1	0.5	5	\$165
APD 1900-2	2	1800 - 2000	3.4	21	1.25:1	0.2	2	\$135
APD 2050-2A	2	1930 - 2170	3.3	20	1.3:1	0.2	2	\$90
APD 223-2	2	2000 - 2300	3.3	20	1.25:1	0.2	2	\$65
APD 2250-2	2	2100 - 2400	3.5	25	1.25:1	0.3	2	\$65
APD 1955-3	3	1705 - 2205	5.3	20	1.25:1	0.2	5	\$250
APD 1900-3	3	1800 - 2000	5.3	21	1.25:1	0.2	4	\$120
APD 2050-3A	3	1930 - 2170	5.3	20	1.3:1	0.2	5	\$120
APD 100-4	4	20 - 100	6.4	15	1.5:1	0.3	3	\$265
APC 100-4	4	20 - 100	6.4	15	1.5:1	0.3	3	\$335
APD 175-4	4	135 - 175	6.3	18	1.25:1	0.2	2	\$465
APC 175-4	4	135 - 175	6.3	18	1.25:1	0.2	2	\$335
APD 1900-4	4	1800 - 2000	6.8	21	1.25:1	0.3	2	\$150
APC 1900-6	6	1800 - 2000	8.4	21	1.25:1	0.3	2	\$150

\*Prices are ex-works Hyderabad, India. Prices are subjected to change without notice.

**Note:** "For Specific requirements please contact our sales dept". Minimum order value \$ 1000.