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Power Dividers/Combiners, Sma Models

ATM manufactures a wide variety of 2 Way, 4 Way, and 8 Way Power Dividers/Combiners to meet or exceed your design specifications. Please call us with your requirements and discuss your needs with one of our design engineers.

See Also:
[Coax Type-N Power Dividers](#)
[Waveguide Combiners & Dividers](#)

2-Way SMA Models

• Octave Band • Special Band • Multi Band • 10-40GHz Multi Band • Ultra-Wide Band



- Stripline Construction
- Compact & Lightweight
- Most popular models in stock for fast delivery
- Octave Band, Special Band, Multi Band and Ultra Wide-Band models available

Electrical

RF Connectors: SMA(F)

RF Power: 30 Watt with all ports matched

Mechanical

Construction: Stripline design

Connectors: Stainless Steel

Operating Temp: -55°C to +110°C

Finish: Unique corrosion resistant 316 stainless steel epoxy coating

IAW MIL-F-14072 Color Dusty Grey

Applicable Mil-Specs

General: see [ATM Mil-Spec reference](#)

Product Specific: see [ATM Mil-Spec reference](#)

SMA Octave Band 2-Way Models

Freq GHz	Iso. dB	VSWR max.		IL dB	Amp Bal (+/- dB)	Phase Bal (+/- Deg)	Model No.	Outline Drawing
		In	Out					
0.5 - 1.0	22	1.25	1.15	0.40	0.2	2.0	P212	Fig 1
1.0 - 2.0	20	1.25	1.15	0.35	0.2	2.0	P213	Fig 2
2.0 - 4.0	20	1.30	1.20	0.40	0.2	2.0	P214	Fig 3
4.0 - 8.0	20	1.35	1.25	0.50	0.2	2.0	P215	Fig 3
8.0 - 12.4	20	1.35	1.30	0.50	0.2	2.0	P216	Fig 4
12.0 - 18.0	19	1.40	1.35	0.60	0.3	6.0	P217	Fig 4
14.0 - 21.0	15	1.70	1.70	0.60	0.2	8.0	P218	Dwg

SMA Special Band 2-Way Models

Freq (GHz)	Iso. (dB)	VSWR max.		IL (dB)	Amp Bal (+/- dB)	Phase Bal (+/- Deg)	Model No.	Outline Drawing
		In	Out					
0.85 - 1.65	22	1.25	1.20	0.40	0.2	2.0	P213L	Fig 2
3.4 - 4.2	20	1.35	1.25	0.50	0.2	2.0	P215C3	Fig 3
3.65 - 6.5	20	1.35	1.25	0.40	0.2	2.0	P215C	Fig 3
3.65 - 4.3	22	1.25	1.20	0.40	0.2	2.0	P215C1	Fig 3
5.85 - 6.5	22	1.25	1.20	0.40	0.2	2.0	P215C2	Fig 3
5.8 - 6.8	22	1.25	1.20	0.40	0.2	2.0	P215C4	Fig 3
7.2 - 8.4	20	1.35	1.30	0.50	0.2	2.0	P215X	Fig 3
7.2 - 8.4	20	1.35	1.30	0.50	0.2	2.0	P215X-1	Fig 6
7.2 - 7.75	20	1.30	1.30	0.50	0.2	2.0	P215X1	Fig 3
7.2 - 7.75	20	1.30	1.30	0.50	0.2	2.0	P215X1-1	Fig 6
7.9 - 8.4	20	1.30	1.30	0.50	0.2	2.0	P215X2	Fig 3

7.9 - 8.4	20	1.30	1.30	0.50	0.2	2.0	P215X2-1	Fig 6
10.7 - 12.7	18	1.45	1.40	0.60	0.2	2.0	P216X	Fig 4
10.7 - 12.7	20	1.40	1.35	0.60	0.2	2.0	P216X-1	Fig 7
10.7 - 14.5	19	1.40	1.35	0.70	0.2	2.0	P216K	Fig 4
10.7 - 14.5	19	1.40	1.35	0.70	0.2	2.0	P216K-1	Fig 7
12.7 - 14.5	19	1.40	1.35	0.70	0.3	6.0	P217K	Fig 4
13.7 - 14.5	20	1.40	1.35	0.60	0.3	6.0	P217K-1	Fig 7

SMA Multi Band 2-Way Models

Freq (GHz)	Iso. (dB)	VSWR max.		IL (dB)	Amp Bal (+/- dB)	Phase Bal (+/- Deg)	Model No.	Outline Drawing
		In	Out					
0.005 - 1.0	20	1.30	1.30	1.00	0.2	2.0	P210CT-5-1000	.pdf
0.5 - 4.0	20	1.30	1.20	0.50	0.2	4.0	P212E	Fig 9
0.8 - 2.4	20	1.35	1.25	0.35	0.2	2.0	P212D	Fig 2
1.0 - 18.0	18	1.40	1.40	1.00	0.2	5.0	P213H**	Fig 8
2.0 - 8.0	20	1.35	1.35	0.40	0.2	4.0	P214F	Fig 5
2.0 - 18.0	18	1.40	1.40	1.00	0.2	5.0	P214H	Fig 8
5.0 - 18.0	19	1.40	1.35	0.50	0.3	6.0	P215CK	Fig 4
6.0 - 18.0	19	1.40	1.35	0.60	0.2	5.0	P215H	Fig 4
8.0 - 18.0	20	1.35	1.40	0.60	0.2	5.0	P216H	Fig 4
2.0 - 26.5	19	1.40	1.35	1.10	0.3	6.0	P2K8*	Fig 11

*Specs for this model run from 2.0-18.0 GHz. From 18.0-26.5 GHz unit runs: ISO 12dB, VSWR 1.7 in/1.6 out, and IL 1.8 dB max. See also [P214JT](#) for another model in this band.

**Specs from 1.0-2.0GHz: VSWR 1.67 in/1.40 out and Isolation 10dB. 2-18GHz as shown above.

Special 10.0 - 40.0 GHz Multi-Band Unit 2-Way Models



Model No.	Freq (GHz)	Iso. (dB)	VSWR max		IL (dB)	Amp Bal (+/- dB)	Phase Bal (+/- Deg)	Outline Drawing
			In	Out				
P2K9A	10.0 - 18.0	18	1.6	1.5	1.5	0.6	6.0	Dwg
	18.0 - 40.0	18	1.6	1.5	2.1	0.6	6.0	