

Power Splitter/Combiner

8 Way-0° 50Ω

2 to 250 MHz

OPD2-250-8-S

Features

- high isolation, 30 dB typ.
- low insertion loss, 0.8 dB typ.
- rugged shielded case

Applications

- VHF
- FM broadcasting
- amateur radio
- federal and defense communications

Maximum Ratings

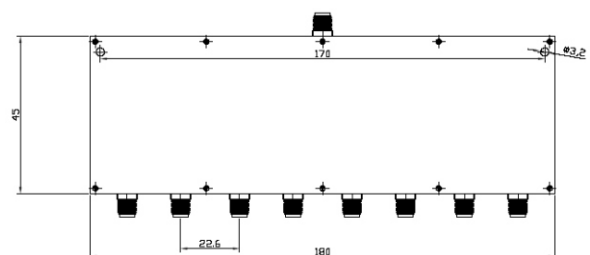
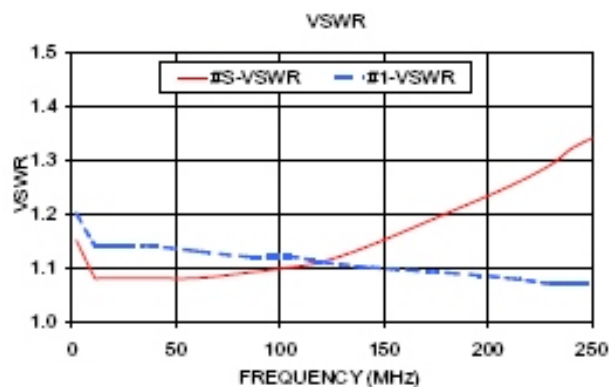
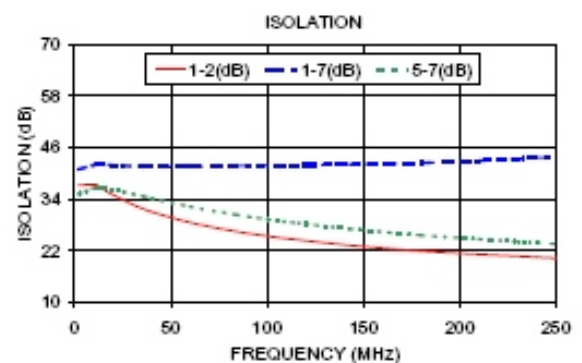
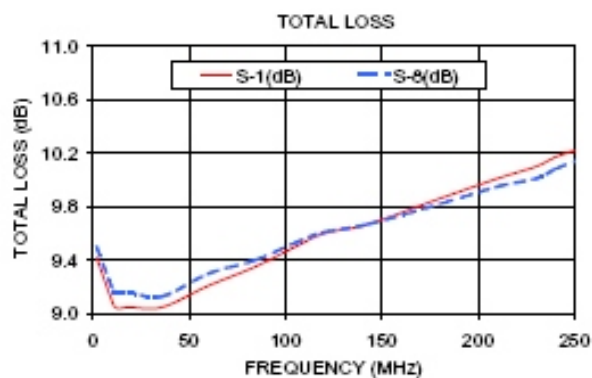
Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.62W max.

Permanent damage may occur if any of these limits are exceeded.



Electrical Description

1	Frequency	2-250MHz	
2	Insertion Loss Max.	0.65-1.6dB	ABOVE 9.0 dB
3	Isolation Min.	18dB	37 dB Max.
4	Phase Unbalance (Degree) Max.	8.0	
5	Amplitude Unbalance Max..	0.5dB	
6	VSWR Max.	1.34:1	
7	Power handling Max. (watt)	10watt	
8	Connectors	SMA	
9	Impedance	50 Ohm	



Outline Drawing



OCEANMICROWAVE

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Power Splitter/Combiner

8 Way-0° 50Ω 10 to 1000 MHz OPD10-1000-8-S

Features

- wideband, 10 to 1000 MHz
- good isolation, 25 dB typ.
- rugged shielded case

Applications

- VHF/UHF
- cellular
- signal processing
- communication systems

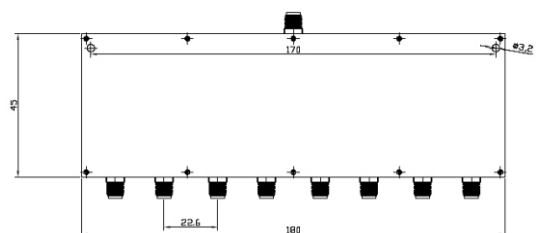
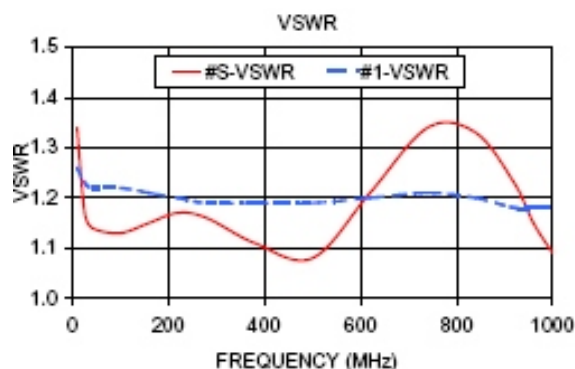
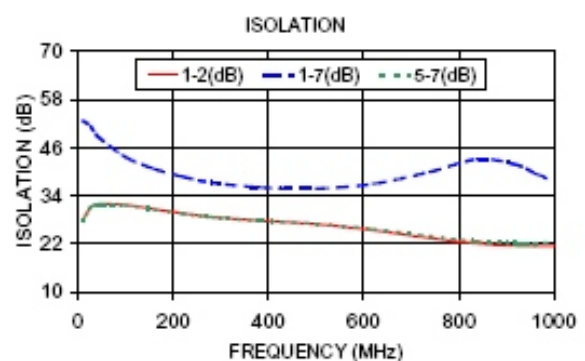
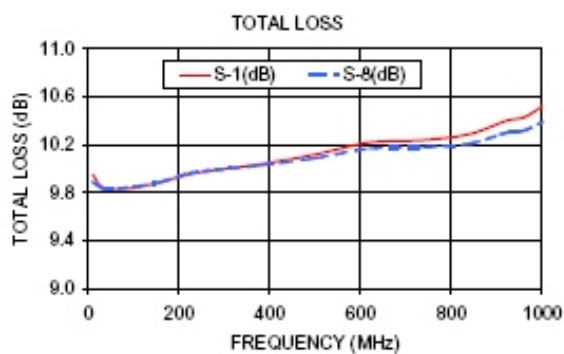
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.62W max.

Permanent damage may occur if any of these limits are exceeded.



Electrical Description			
1	Frequency	10-1000MHz	
2	Insertion Loss Max.	1.0-2.9dB	ABOVE 9.0 dB
3	Isolation Min.	20dB	26 dB Max.
4	Phase Unbalance(Dgree) Max.	20.0	
5	Amplitude Unbalance Max..	0.7dB	
6	VSWR Max.	1.34:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/BNC	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

8 Way-0° 50Ω 800 to 2000 MHz OPD800-2000-8-S

Features

- wideband, 800 to 2000 MHz
- low insertion loss, 0.8 dB typ.
- good isolation, 26 dB typ.
- up to 10W power input
- rugged, shielded case

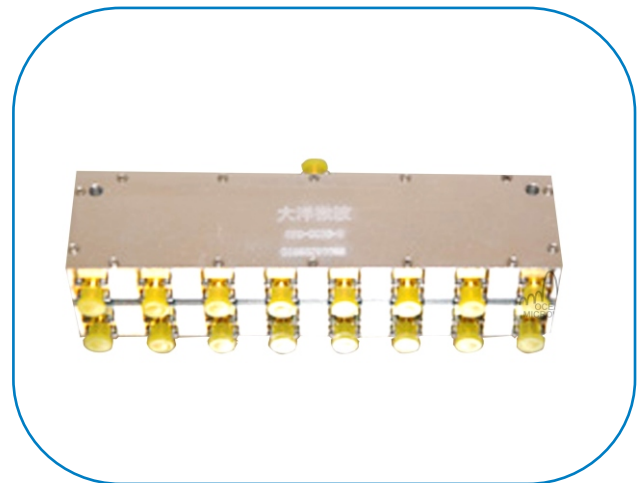
Applications

- cellular
- PCS/DCS
- communication systems
- GPS

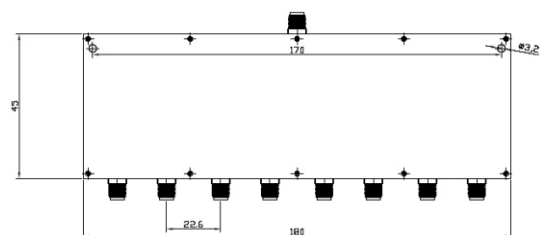
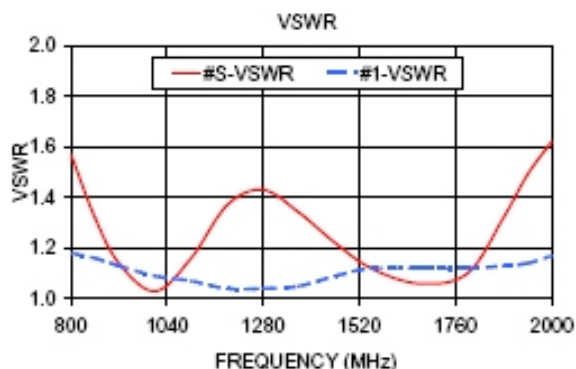
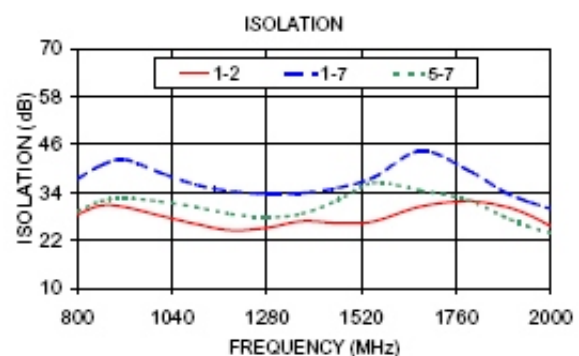
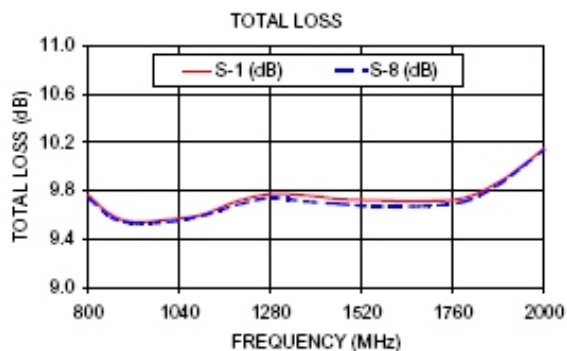
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.875W max.

Permanent damage may occur if any of these limits are exceeded.



Electrical Description			
1	Frequency	800-2000MHz	
2	Insertion Loss Max.	0.8-1.7dB	ABOVE 9.0 dB
3	Isolation Min.	18dB	26 dB Max.
4	Phase Unbalance (Degree) Max.	-	
5	Amplitude Unbalance Max..	0.7dB	
6	VSWR Max.	1.80:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

8 Way-0° 50Ω 1000 to 2000 MHz OPD1000-2000-8-S

Features

- wideband, 1000 to 2000 MHz
- low insertion loss, 0.8 dB typ.
- good isolation, 24 dB typ.
- up to 10W power input as splitter

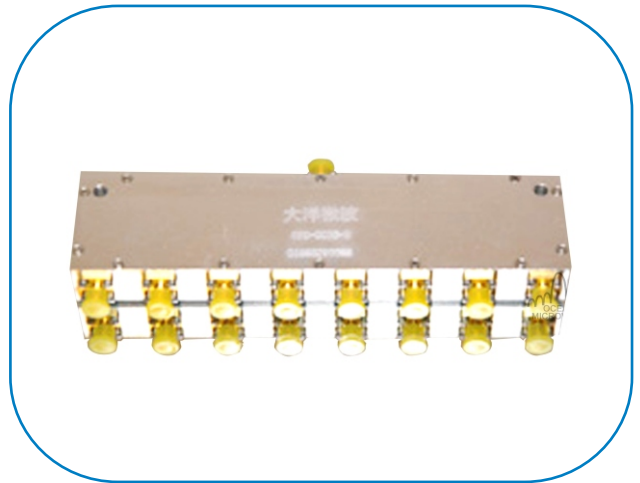
Applications

- GPS
- PCS/DCS
- communication systems
- instrumentation

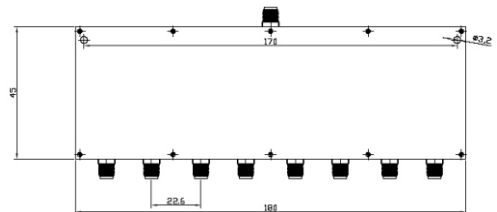
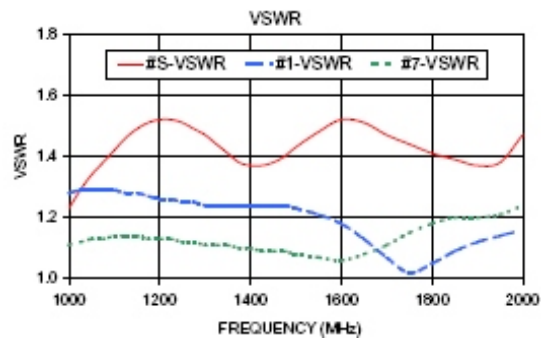
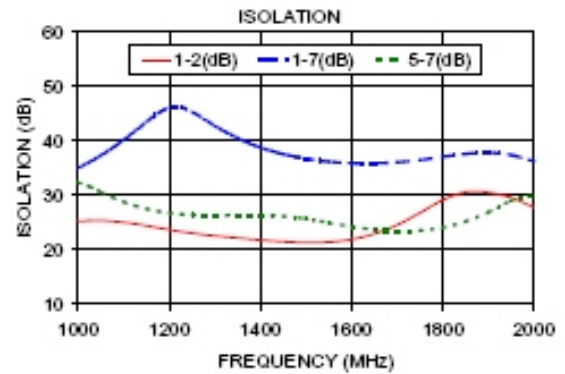
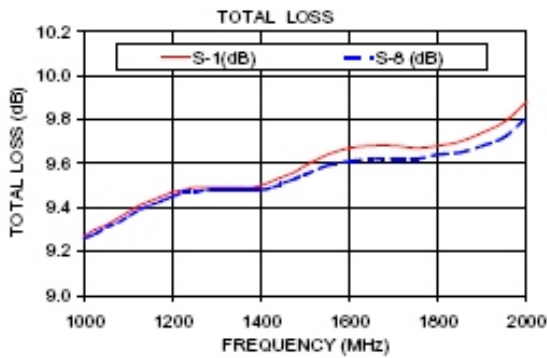
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.875W max.

Permanent damage may occur if any of these limits are exceeded.



Electrical Description			
1	Frequency	1000-2000MHz	
2	Insertion Loss Max.	0.8-1.3dB	ABOVE 9.0 dB
3	Isolation Min.	17dB	24 dB Max.
4	Phase Unbalance(Degree) Max.	18.0	
5	Amplitude Unbalance Max..	0.8dB	
6	VSWR Max.	1.52:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

8 Way-0° 50Ω 2000 to 4200 MHz OPD2000-4200-8-S

Features

- Wideband, 2000 to 4200 MHz
- low insertion loss 0.8 dB typ.
- good isolation, 23 dB typ.
- rugged shielded case

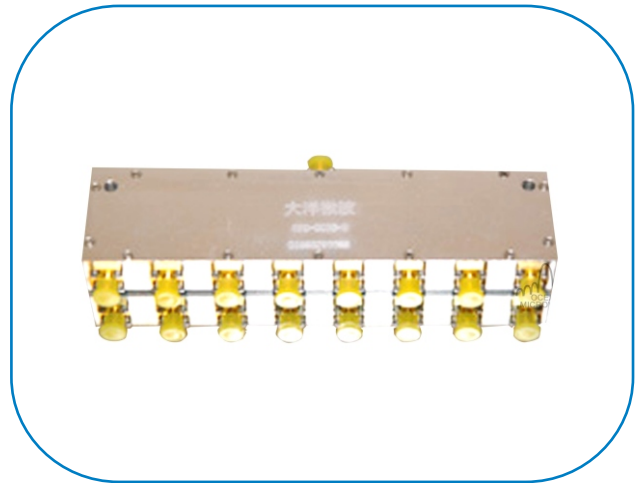
Applications

- UHF/SHF
- ISM
- MMDS
- terrestrial radio

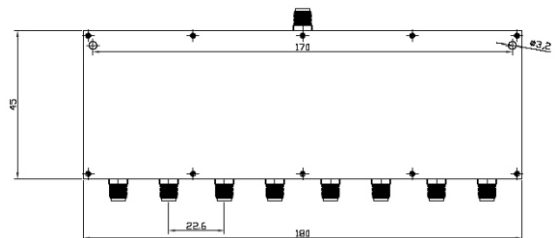
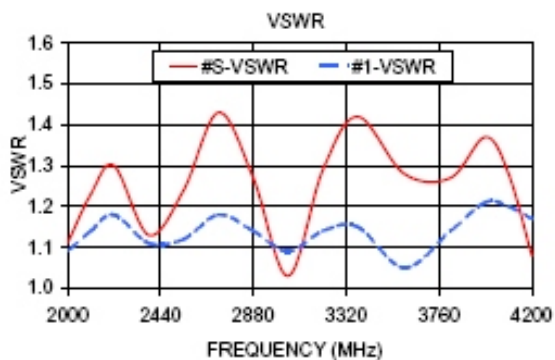
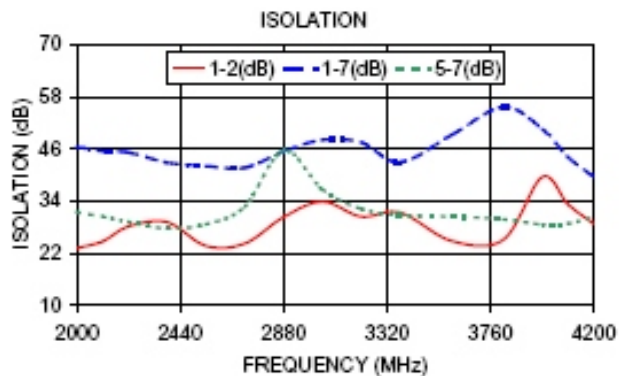
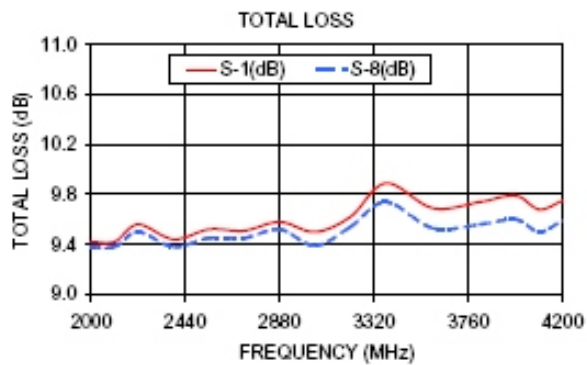
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.875W max.

Permanent damage may occur if any of these limits are exceeded.



Electrical Description			
1	Frequency	2000-4200MHz	
2	Insertion Loss Max.	0.8-1.8dB	ABOVE 9.0 dB
3	Isolation Min.	16dB	23 dB Max.
4	Phase Unbalance(Dgree) Max.	10.0	
5	Amplitude Unbalance Max..	1.2dB	
6	VSWR Max.	1.42:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N	
9	Impedance	50 Ohm	



Outline Drawing