

# Power Splitter/Combiner

16 Way-0° 50Ω 0.1 to 200 MHz OPD0.1-200-16-S

### Features

- low insertion loss, 0.7 dB typ.
- high isolation, 27 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged shielded case

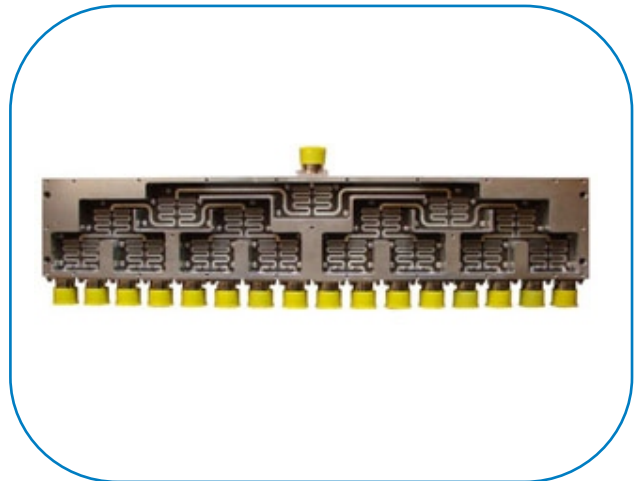
### Applications

- HF/VHF
- communication systems
- instrumentation

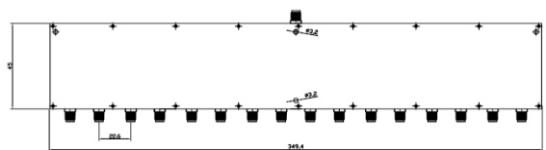
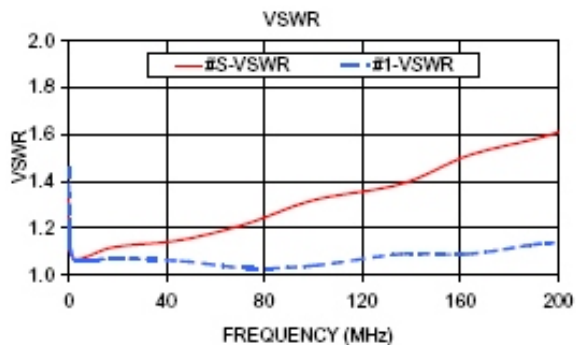
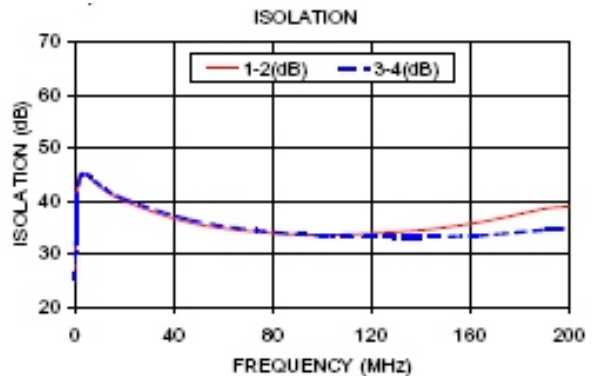
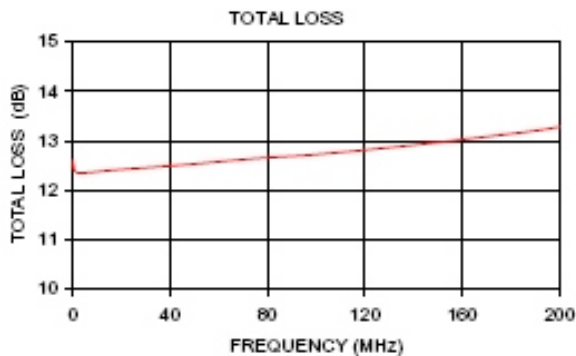
### Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

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



Electrical Description			
1	Frequency	0.1-200MHz	
2	Insertion Loss Max.	0.6-1.5dB	ABOVE 12.0 dB
3	Isolation Min.	20dB	39 dB Max.
4	Phase Unbalance(Dgree) Max.	9.0	
5	Amplitude Unbalance Max..	0.4dB	
6	VSWR Max.	1.61:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/BNC	
9	Impedance	50 Ohm	



Outline Drawing



OCEANMICROWAVE

Tel: +86-10-60290088 Fax: +86-10-60290088-601

Web: <http://www.oceanmicrowave.com> Email: [sales@oceanmicrowave.com](mailto:sales@oceanmicrowave.com)

# Power Splitter/Combiner

16 Way-0° 50Ω 10 to 2500 MHz OPD10-2500-16-S

### Features

- wide frequency band 10 to 2500 MHz
- good amplitude unbalance, 0.3 dB typ.
- good phase unbalance, 5 deg. typ.

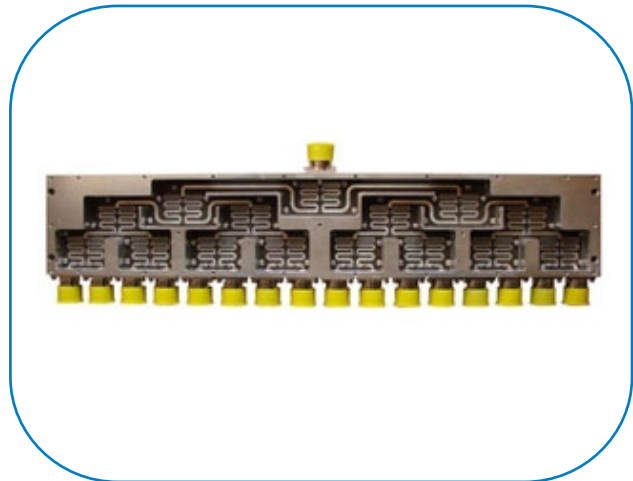
### Applications

- UHF
- cellular, GPS, PCS
- communication systems

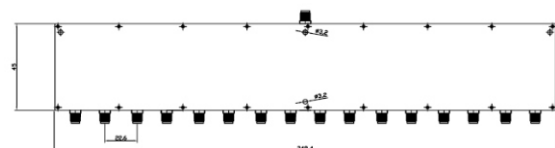
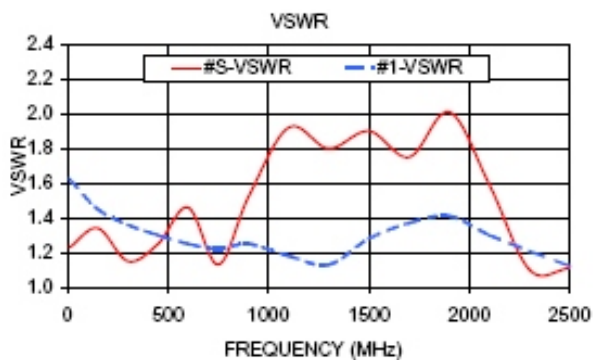
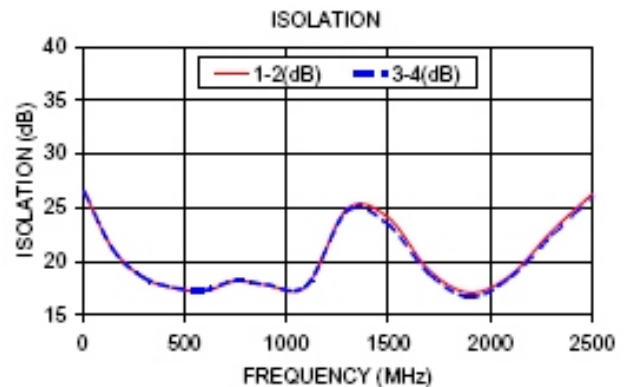
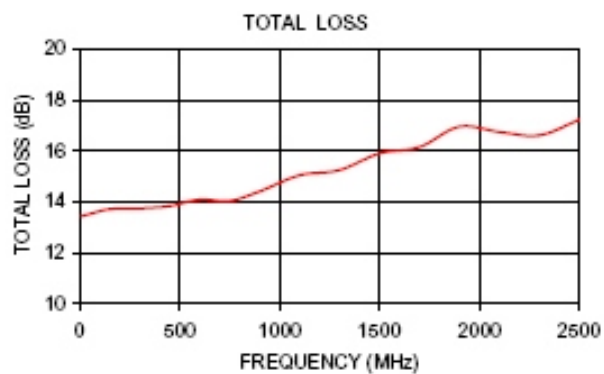
### Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.75W max.

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



Electrical Description			
1	Frequency	10-2500MHz	
2	Insertion Loss Max.	1.5-6.5dB	ABOVE 12.0 dB
3	Isolation Min.	14dB	25 dB Max.
4	Phase Unbalance(Dgree) Max.	18.0	
5	Amplitude Unbalance Max..	1.0dB	
6	VSWR Max.	1.62:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA	
9	Impedance	50 Ohm	



Outline Drawing



## Power Splitter/Combiner

16 Way-0° 50Ω 500 to 1000 Mhz OPD500-1000-16-S

### Features

- low insertion loss, 0.6 dB typ.
- excellent input and output VSWR, 1.1:1 typ.
- very high isolation, 30 typ.

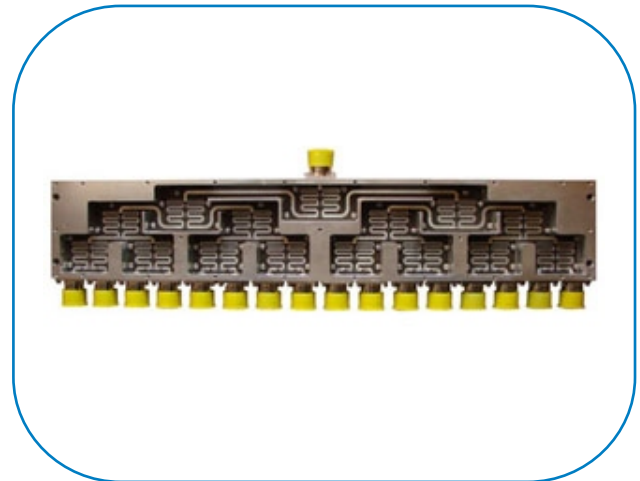
### Applications

- UHF TV/DTV
- GSM
- ISM
- WCDMA

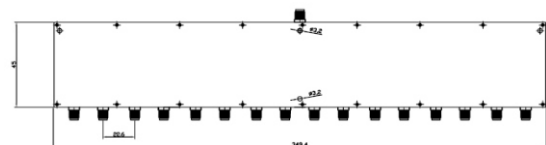
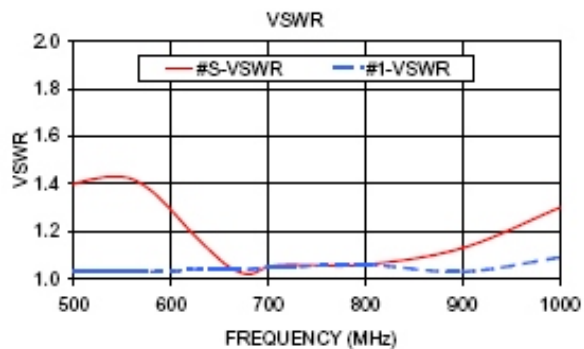
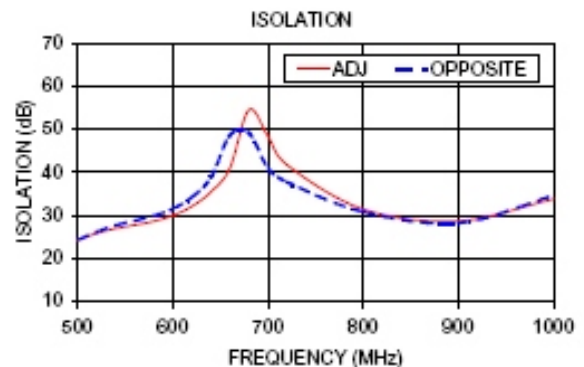
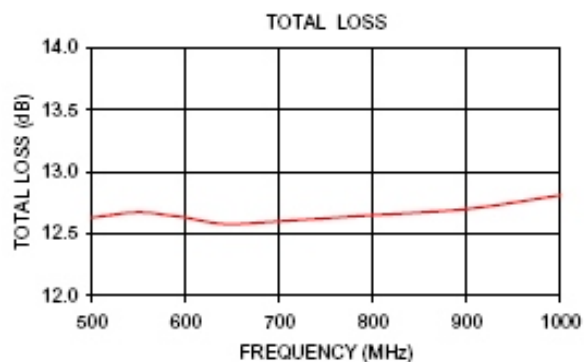
### Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.6W max.

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



Electrical Description			
1	Frequency	500-1000MHz	
2	Insertion Loss Max.	0.6-1.4dB	ABOVE 12.0 dB
3	Isolation Min.	20dB	30 dB Max.
4	Phase Unbalance(Dgree) Max.	6.0	
5	Amplitude Unbalance Max..	0.6dB	
6	VSWR Max.	1.09:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA	
9	Impedance	50 Ohm	



Outline Drawing