

Power Splitter/Combiner

4 Way-0° 50Ω 0.002 to 20 MHz OPD0.002-20-4-S

Features

- high isolation, 33 dB typ.
- rugged shielded case

Applications

- HF
- amateur radio

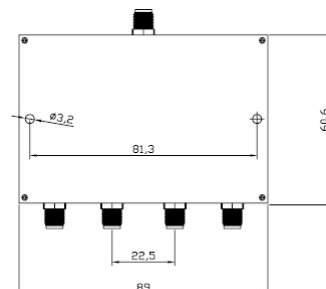
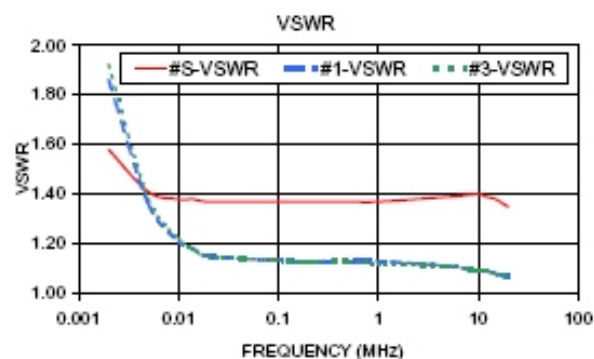
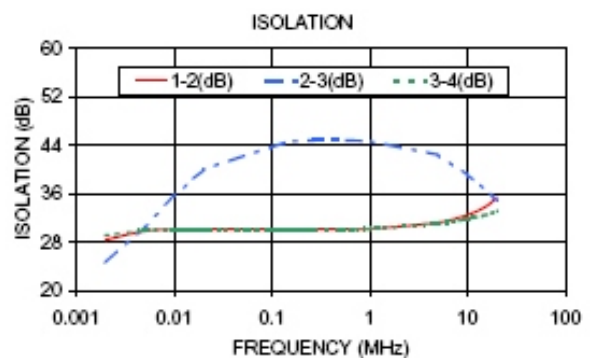
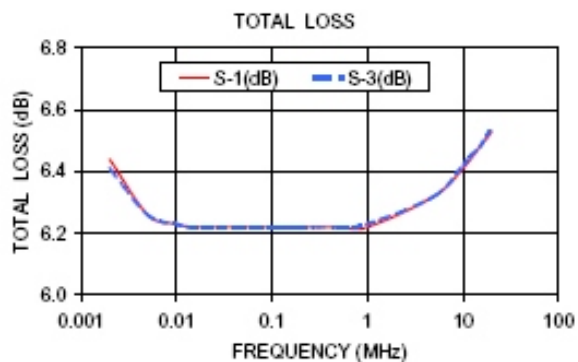
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.250W max.

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



Electrical Description			
1	Frequency	0.002-20MHz	
2	Insertion Loss Max.	0.3-1.0dB	ABOVE 6.0 dB
3	Isolation Min.	20dB	33 dB Max.
4	Phase Unbalance (Degree) Max.	8.0	
5	Amplitude Unbalance Max.	0.25dB	
6	VSWR Max.	1.92:1	
7	Power handling Max. (watt)	10watt	
8	Connectors	SMA	
9	Impedance	50 Ohm	



Outline Drawing



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Power Splitter/Combiner

4 Way-0° 50Ω 5 to 500 MHz OPD5-500-4-S

Features

- wideband, 5 to 500 MHz
- high isolation, 34 dB typ.
- rugged, shielded case

Applications

- VHF/UHF
- receivers/transmitters

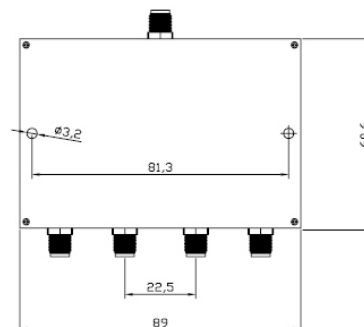
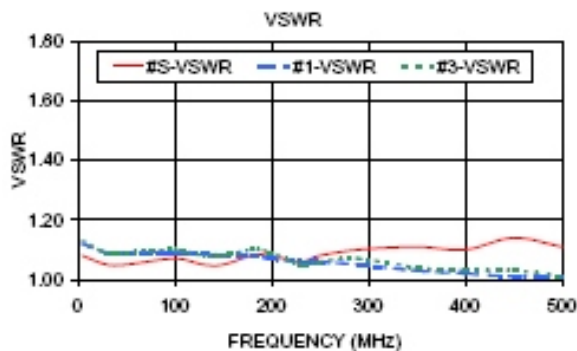
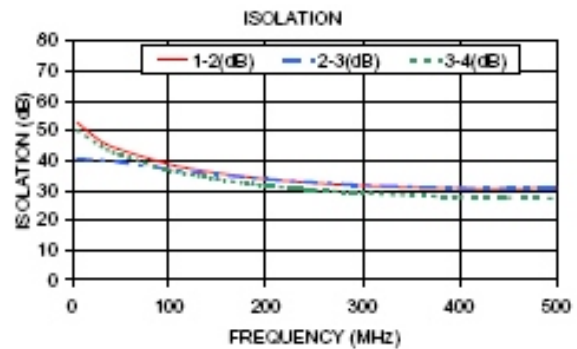
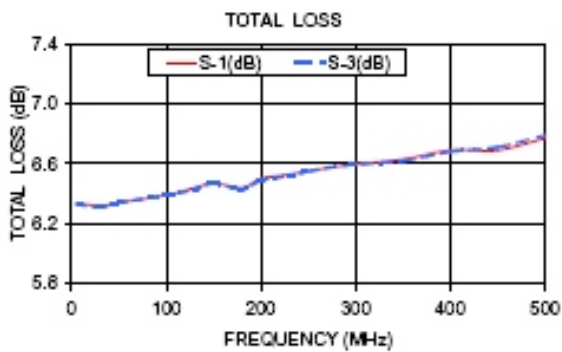
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.250W max.

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



Electrical Description			
1	Frequency	5-500MHz	
2	Insertion Loss Max.	0.4-1.5dB	ABOVE 6.0 dB
3	Isolation Min.	20dB	34 dB Max.
4	Phase Unbalance(Dgree)Max.	6.0	
5	Amplitude Unbalance Max..	0.4dB	
6	VSWR Max.	1.14:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N/BNC	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

4 Way-0° 50Ω 10 to 1000 MHz OPD10-1000-4-S

Features

- wideband, 10 to 1000MHz
- high isolation, 38 dB typ.

Applications

- VHF/UHF
- cellular
- transmitters/receivers

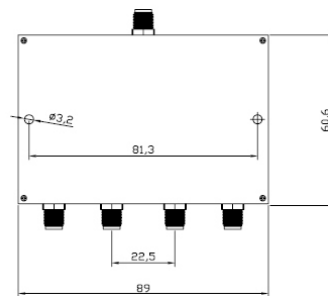
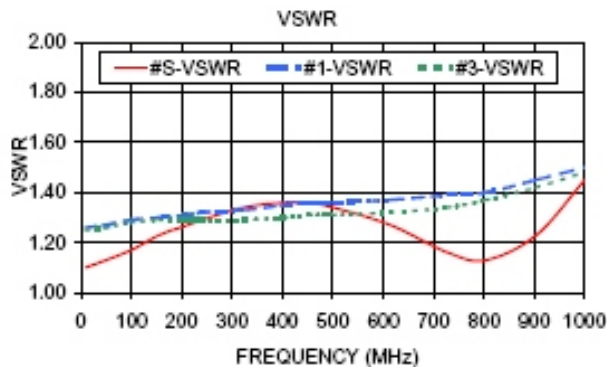
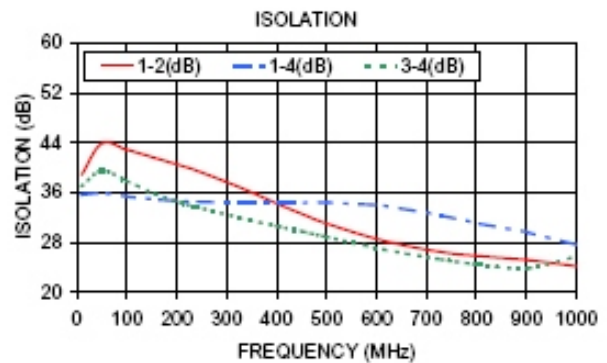
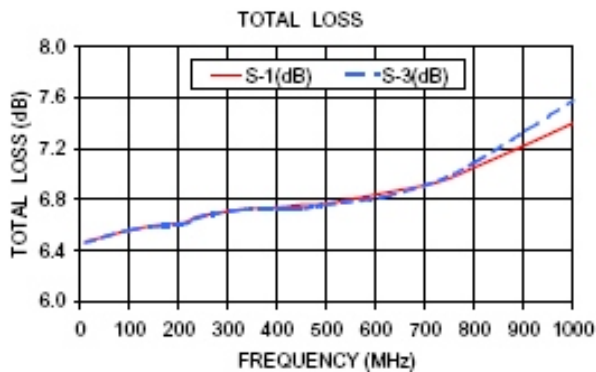
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.250W max.

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



Electrical Description			
1	Frequency	10-1000MHz	
2	Insertion Loss Max.	0.5-2.0dB	ABOVE 6.0 dB
3	Isolation Min.	18dB	38 dB Max.
4	Phase Unbalance(Degree) Max.	-	
5	Amplitude Unbalance Max..	0.6dB	
6	VSWR Max.	1.57:1	
7	Power handling Max. (watt)	10watt	
8	Connectors	SMA/N/BNC	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

4 Way-0° 50Ω 800 to 2500 MHz OPD800-2500-4-S

Features

- wideband, 800 to 2000 MHz
- good isolation, 25 dB typ. 800
- excellent output VSWR, 1.1:1 typ.
- up to 10W power input as splitters

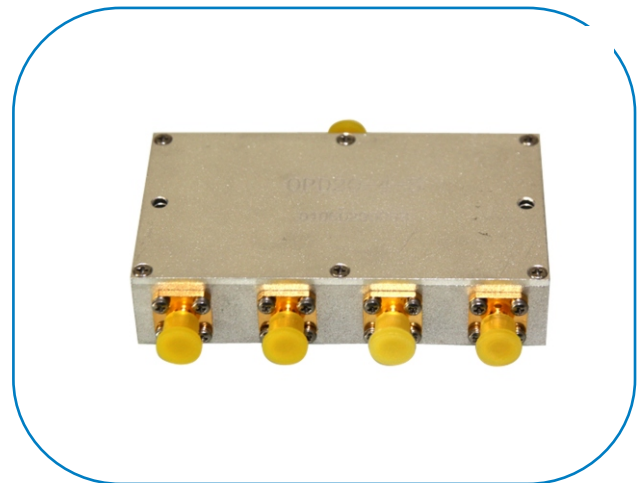
Applications

- cellular
- satellite distribution
- GPS

Maximum Ratings

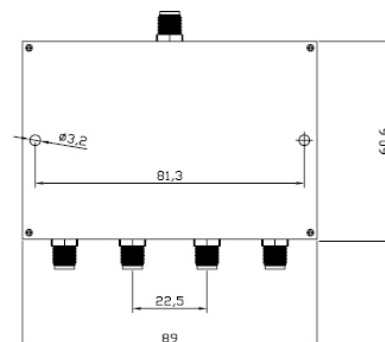
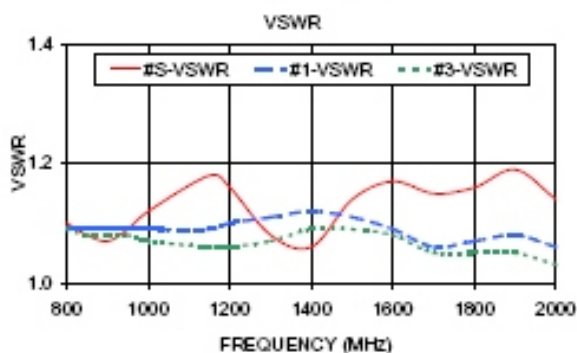
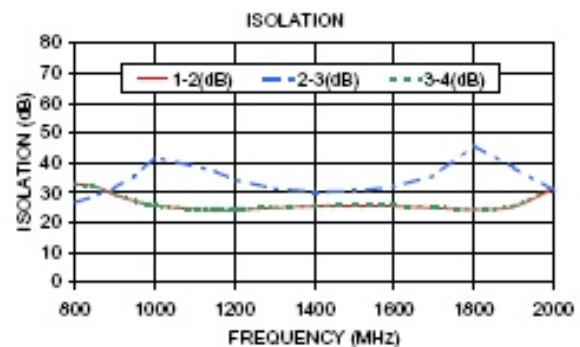
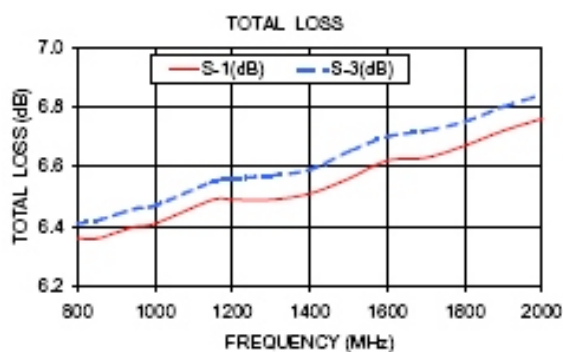
Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10 W max.
Internal Dissipation	0.375W max.

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



Electrical Description

1	Frequency	800-2500MHz	
2	Insertion Loss Max.	0.6-1.2dB	ABOVE 6.0 dB
3	Isolation Min.	18dB	25 dB Max.
4	Phase Unbalance (Dgree)Max.	5.0	
5	Amplitude Unbalance Max. .	0.3dB	
6	VSWR Max.	1.60:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N/BNC	
9	Impedance	50 Ohm	



Outline Drawing

Power Splitter/Combiner

4 Way-0° 50Ω 1000 to 2000 MHz OPD1000-2000-4-S

Features

- wideband, 1000 to 2000 MHz
- good isolation, 25 dB typ.
- up to 10W power input as splitter
- good VSWR, 1.20:1 typ

Applications

- GPS
- communication systems

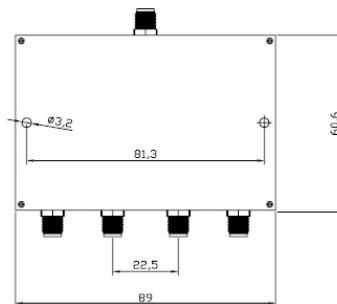
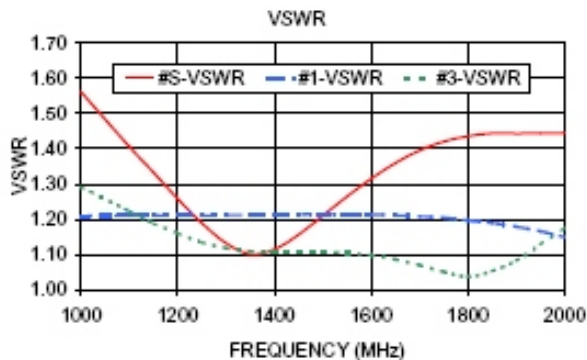
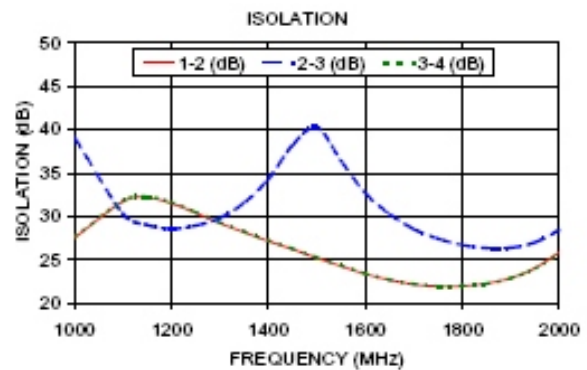
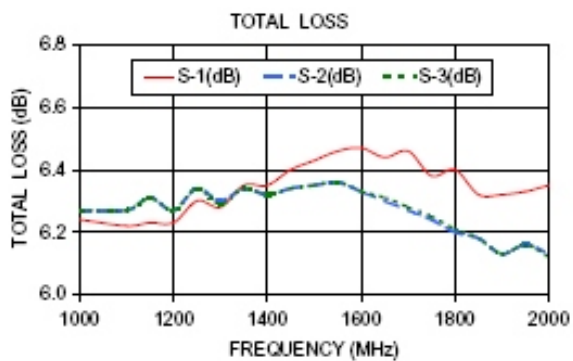
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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



Electrical Description			
1	Frequency	1000-2000MHz	
2	Insertion Loss Max.	0.3-1.0dB	ABOVE 6.0 dB
3	Isolation Min.	16dB	25 dB Max.
4	Phase Unbalance (Degree) Max.	6.0	
5	Amplitude Unbalance Max..	0.7dB	
6	VSWR Max.	1.56:1	
7	Power handling Max. (watt)	10watt	
8	Connectors	SMA/N	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

4 Way-0° 50Ω 2000 to 4200 MHz OPD2000-4200-4-S

Features

- wideband, 2000 to 4200 MHz
- good isolation, 25 dB typ.
- up to 10W power input as splitter

Applications

- MMDS
- wireless communication

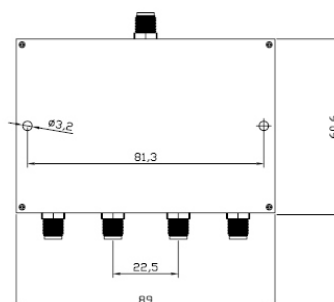
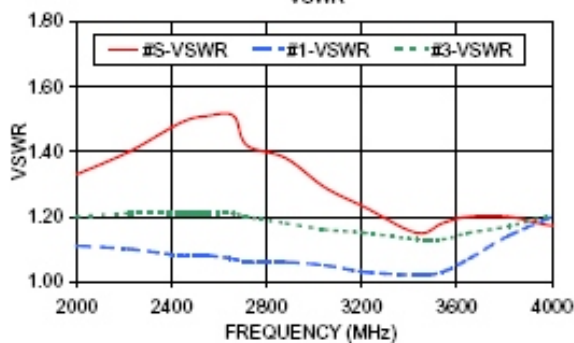
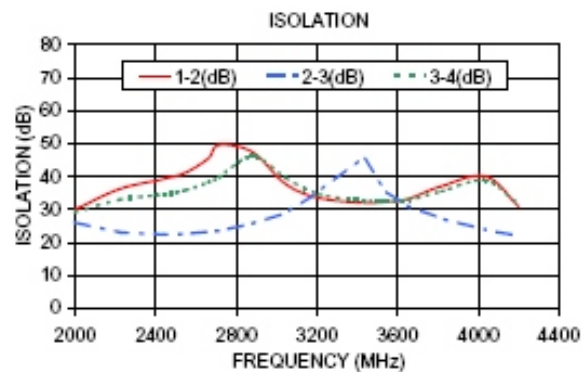
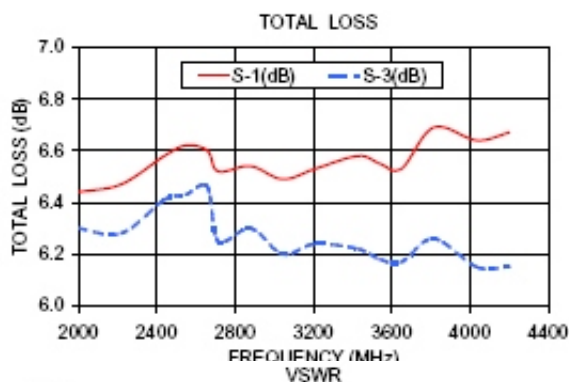
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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



Electrical Description			
1	Frequency	2000-4200MHz	
2	Insertion Loss Max.	0.3-1.0dB	ABOVE 6.0 dB
3	Isolation Min.	16dB	25 dB Max.
4	Phase Unbalance (Dgree) Max.	16.0	
5	Amplitude Unbalance Max. .	0.8dB	
6	VSWR Max.	1.51:1	
7	Power handing Max. (watt)	10watt	
8	Connectors	SMA/N	
9	Impedance	50 Ohm	



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Power Splitter/Combiner

4 Way-0° 50Ω 2000 to 8000 MHz OPD2000-8000-4-S

Features

- wide frequency band, 2000 to 6000 MHz
- low insertion loss, 0.7 dB typ.
- low amplitude unbalance 0.1 dB typ.
- low phase unbalance 1.0 deg. typ.

Applications

- high band PCS
- UNII
- ISM 802.11A

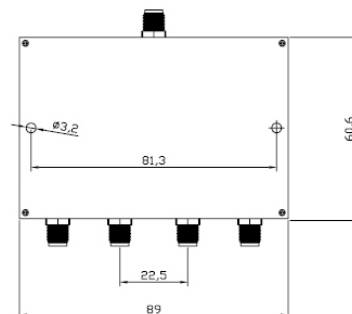
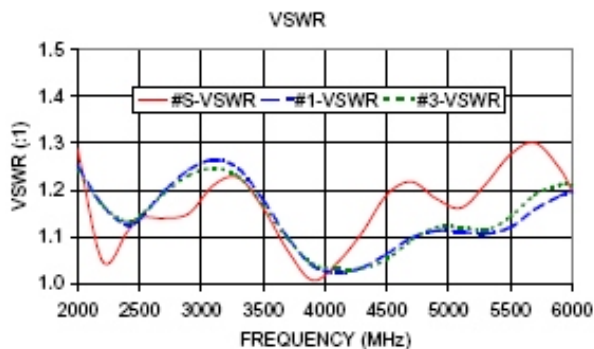
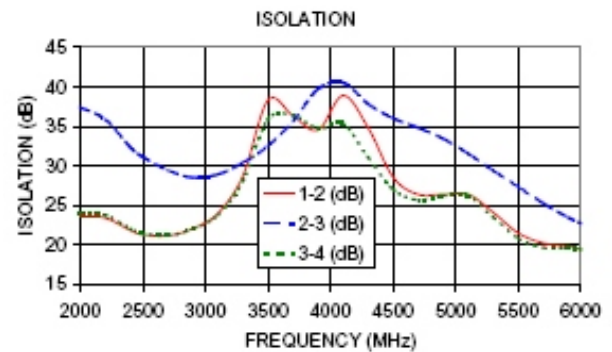
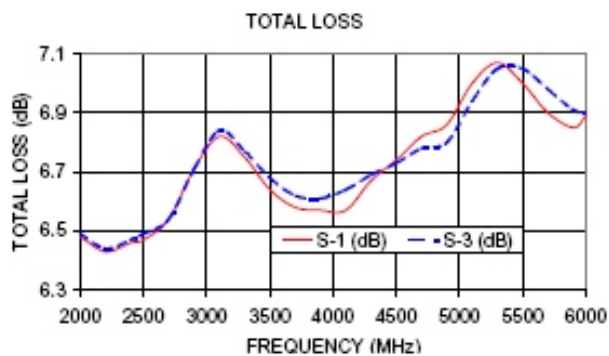
Maximum Ratings

Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
Power Input (as a splitter)	10 W max.
Internal Dissipation	1 W max.

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



Electrical Description			
1	Frequency	2000-8000MHz	
2	Insertion Loss Max.	0.7-1.3dB	ABOVE 6.0 dB
3	Isolation Min.	17dB	26 dB Max.
4	Phase Unbalance (Degree) Max.	5.0	
5	Amplitude Unbalance Max..	0.4dB	
6	VSWR Max.	1.20:1	
7	Power handling Max. (watt)	10watt	
8	Connectors	SMA	
9	Impedance	50 Ohm	



Outline Drawing