

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

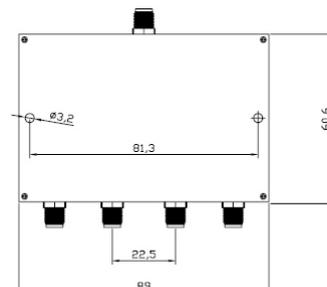
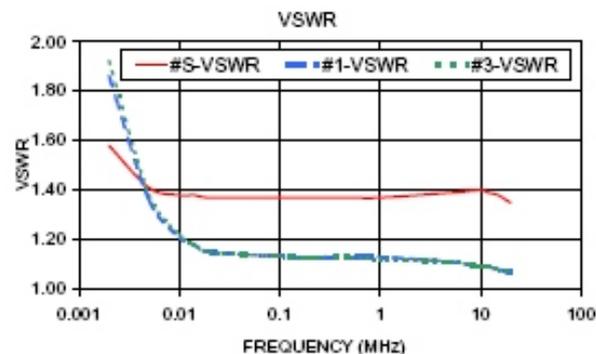
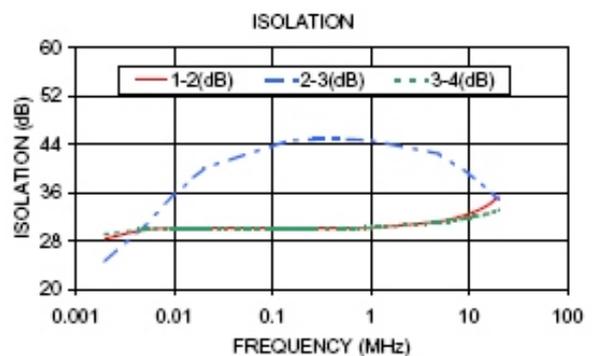
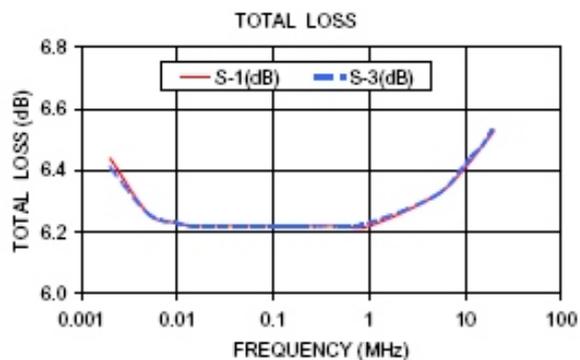
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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 handing Max. (watt) | 10watt | |
| 8 | Connectors | SMA | |
| 9 | Impedance | 50 Ohm | |



Outline Drawing



OCEANMICROWAVE

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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

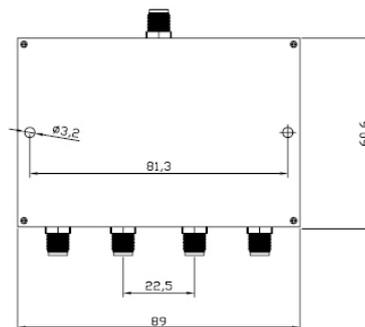
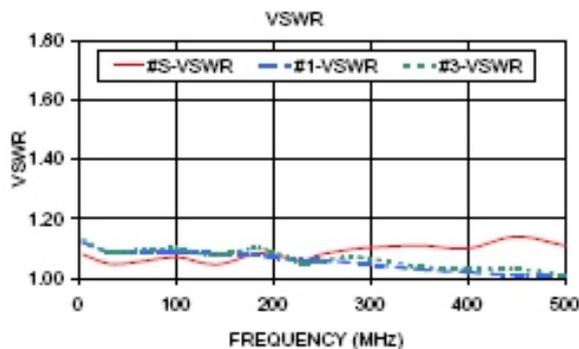
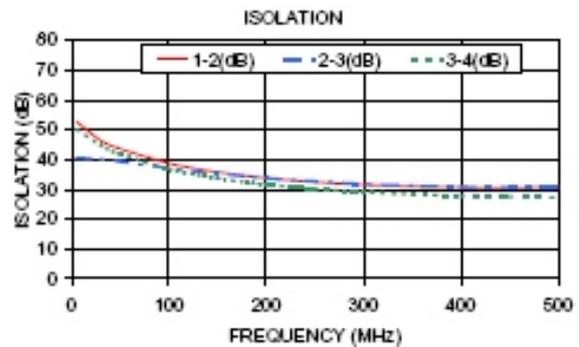
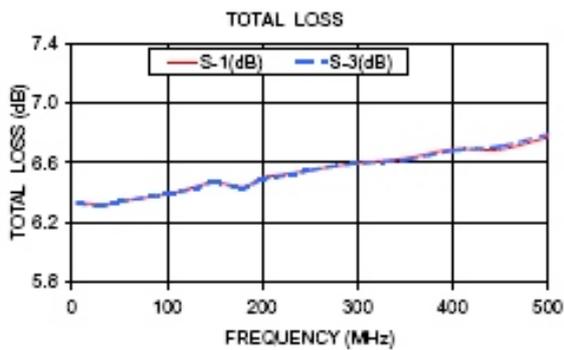
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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

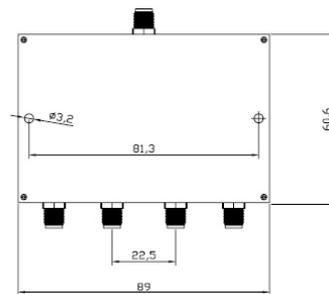
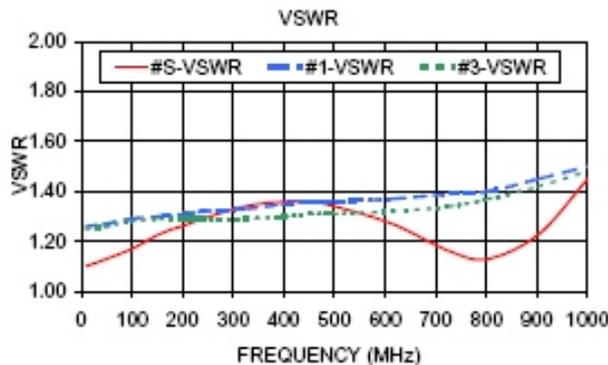
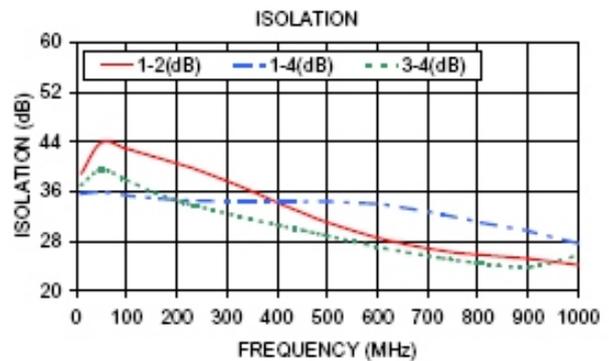
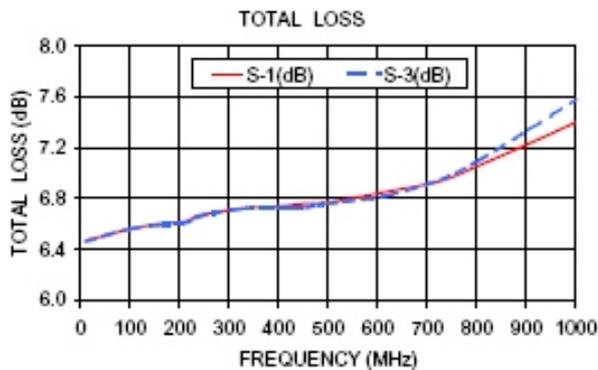
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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

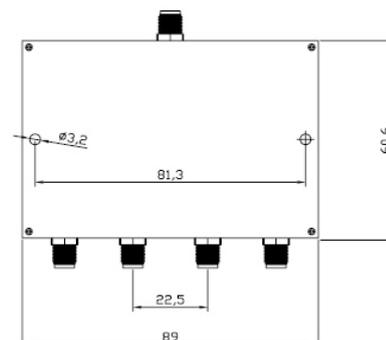
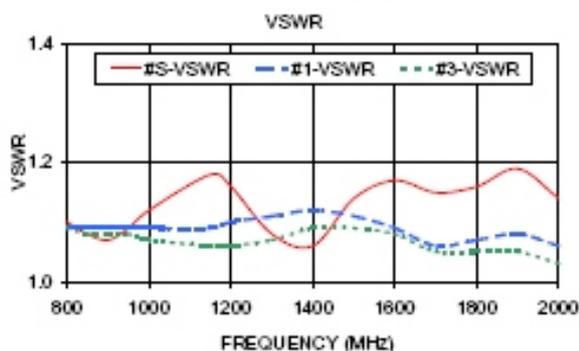
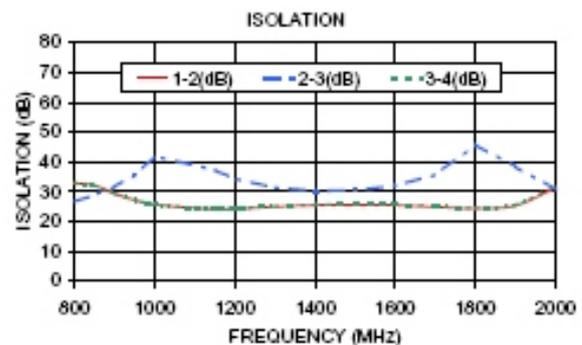
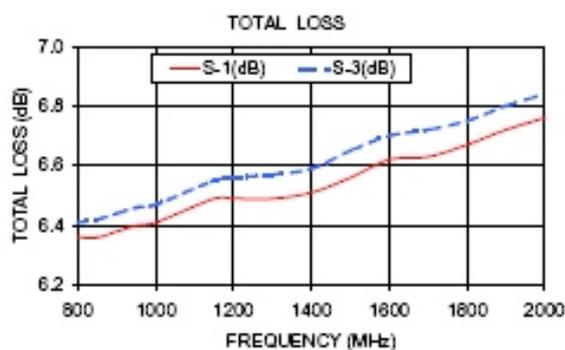
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|-----------------------------|------------------|
| Operating Temperature | -40° C to 85° C |
| Storage Temperature | -55° C to 100° C |
| Power Input (as a splitter) | 10 W max. |
| Internal Dissipation | 0.375W max. |

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

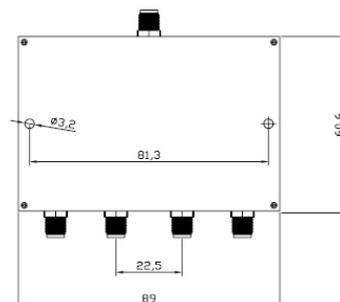
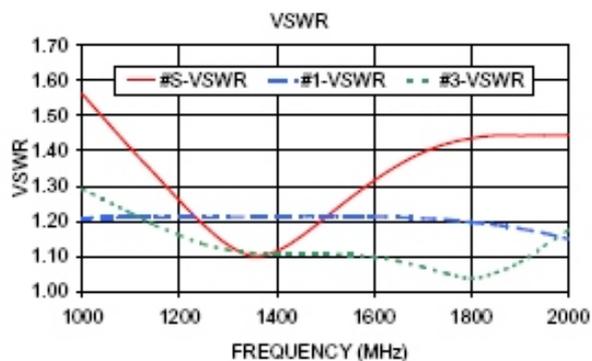
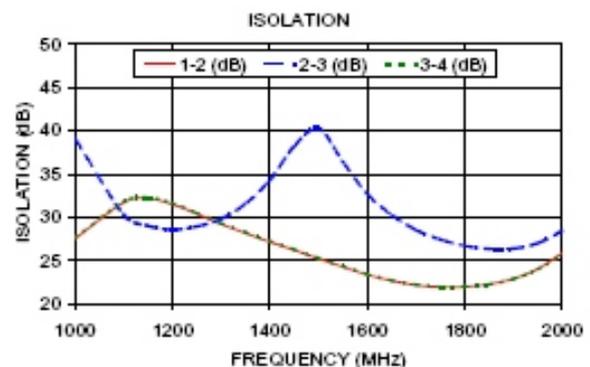
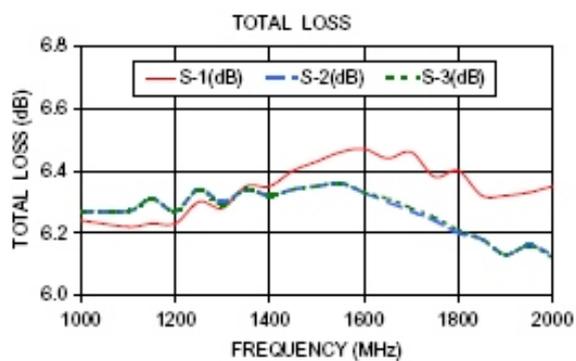
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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 | |



Outline Drawing

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

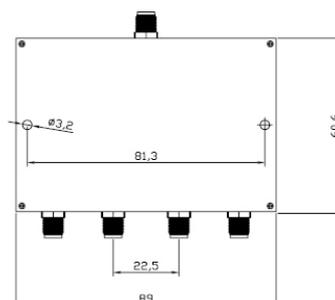
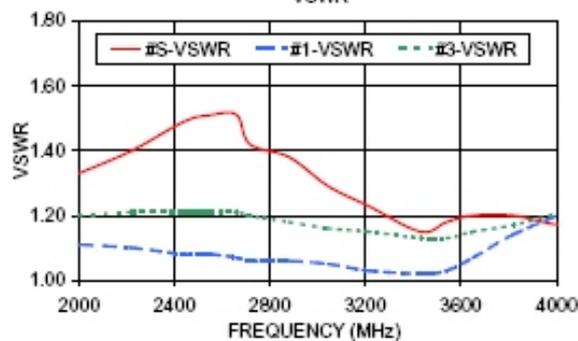
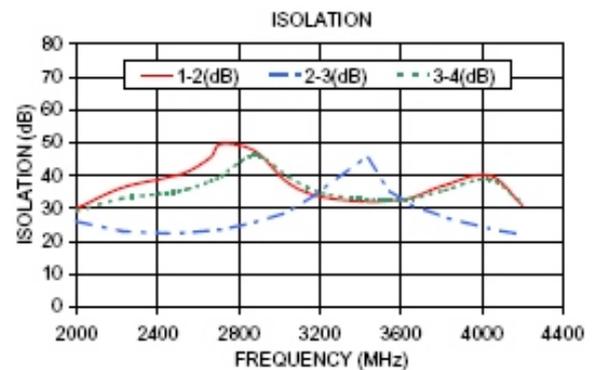
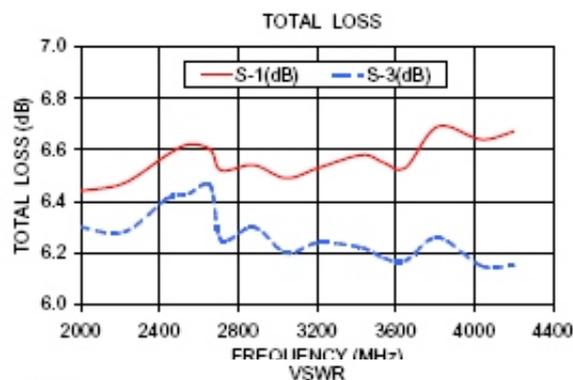
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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

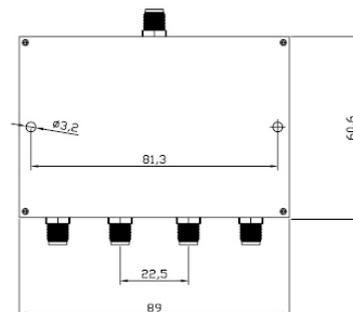
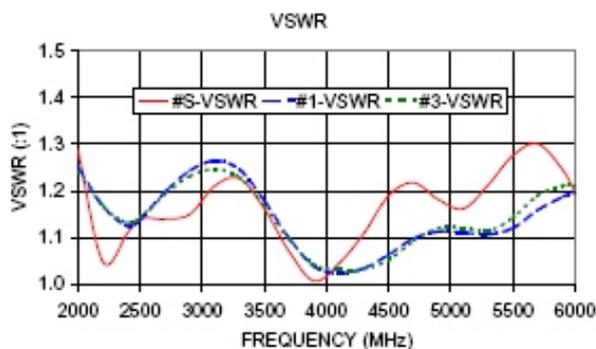
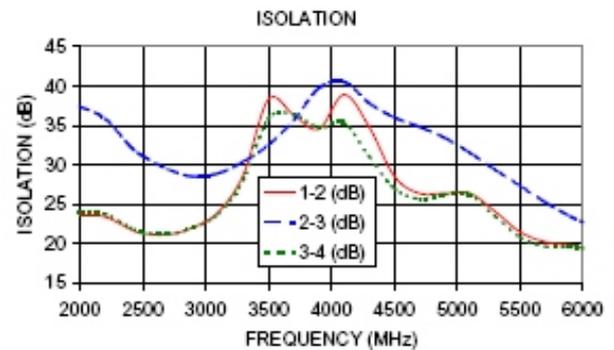
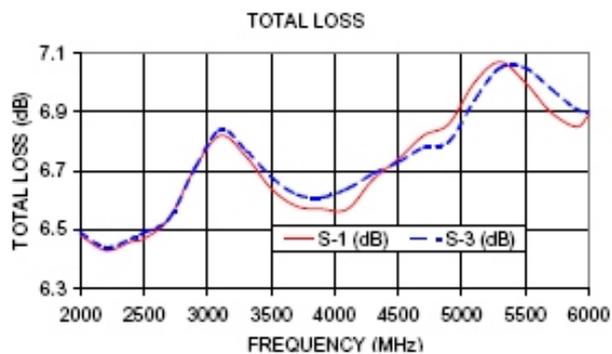
Maximum Ratings

| | |
|-----------------------------|------------------|
| 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