

# Power Splitter/Combiner

8 Way-0° 50Ω 600 to 3600 MHz

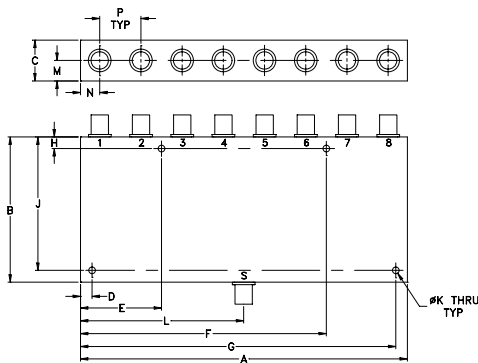
## Maximum Ratings

|                                                                 |                           |
|-----------------------------------------------------------------|---------------------------|
| Operating Temperature                                           | -55°C to 100°C            |
| Storage Temperature                                             | -55°C to 100°C            |
| Power Input (as a splitter)                                     | 10W max.                  |
| Internal Dissipation                                            | 0.875W max.               |
| DC Current                                                      | 1.2A(150mA for each port) |
| Permanent damage may occur if any of these limits are exceeded. |                           |

## Coaxial Connections

|                      |                 |
|----------------------|-----------------|
| SUM PORT             | S               |
| PORT 1,2,3,4,5,6,7,8 | 1,2,3,4,5,6,7,8 |

## Outline Drawing



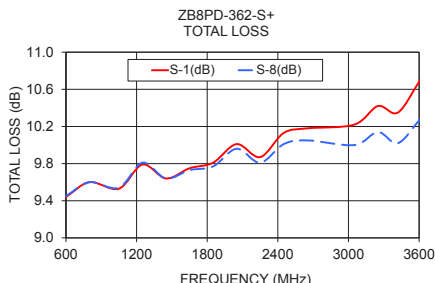
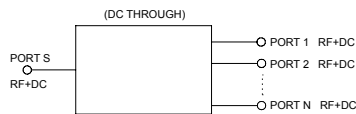
## Outline Dimensions (inch/mm)

|        |       |       |      |       |        |        |      |
|--------|-------|-------|------|-------|--------|--------|------|
| A      | B     | C     | D    | E     | F      | G      | H    |
| 7.06   | 3.13  | .88   | .250 | 1.750 | 5.310  | 6.810  | .250 |
| 179.32 | 79.50 | 22.35 | 6.35 | 44.45 | 134.87 | 172.97 | 6.35 |

|       |      |       |       |       |       |       |
|-------|------|-------|-------|-------|-------|-------|
| J     | K    | L     | M     | N     | P     | wt    |
| 2.875 | .144 | 3.53  | .44   | .415  | .89   | grams |
| 73.03 | 3.66 | 89.66 | 11.18 | 10.54 | 22.61 | 800   |

## Electrical Schematic



## Features

- wideband, 600 to 3600 MHz
- low insertion loss, 1.0 dB typ.
- good isolation, 25 dB typ.
- rugged shielded case

## Applications

- WiMax
- LTE
- WCDMA
- Cellular Infrastructure

# ZB8PD-362+



Generic photo used for illustration purposes only

SMA version shown  
CASE STYLE: Z41

| Connectors | Model        |
|------------|--------------|
| SMA        | ZB8PD-362-S+ |
| N-TYPE     | ZB8PD-362-N+ |

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

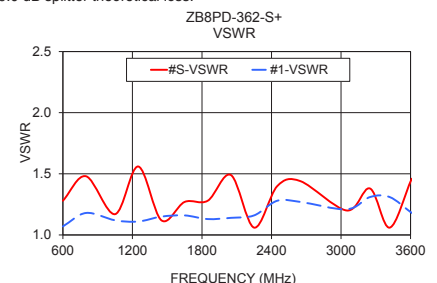
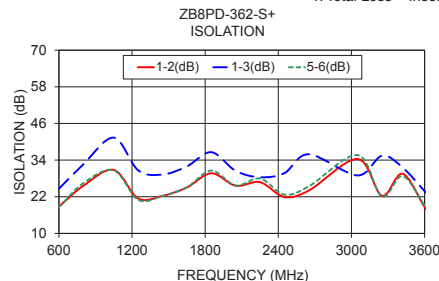
## Electrical Specifications at 25°C

| Parameter                                           | Frequency (MHz) | Min. | Typ. | Max. | Unit   |
|-----------------------------------------------------|-----------------|------|------|------|--------|
| <b>Frequency Range</b>                              |                 | 600  |      | 3600 | MHz    |
| <b>Insertion Loss</b><br>(above theoretical 9.0 dB) | 600 - 1600      | —    | 0.7  | 1.0  | dB     |
|                                                     | 1600 - 2600     | —    | 1.0  | 1.5  |        |
|                                                     | 2600 - 3600     | —    | 1.6  | 2.1  |        |
| <b>Isolation</b>                                    | 600 - 1600      | 16   | 20   | —    | dB     |
|                                                     | 1600 - 2600     | 18   | 23   | —    |        |
|                                                     | 2600 - 3600     | 16   | 20   | —    |        |
| <b>Phase Unbalance</b>                              | 600 - 1600      | —    | 2    | 5    | Degree |
|                                                     | 1600 - 2600     | —    | 4    | 9    |        |
|                                                     | 2600 - 3600     | —    | 5    | 10   |        |
| <b>Amplitude Unbalance</b>                          | 600 - 1600      | —    | 0.1  | 0.5  | dB     |
|                                                     | 1600 - 2600     | —    | 0.2  | 0.7  |        |
|                                                     | 2600 - 3600     | —    | 0.4  | 0.9  |        |
| <b>VSWR (Port S)</b>                                | 600 - 1600      | —    | 1.5  | 1.8  | :1     |
|                                                     | 1600 - 2600     | —    | 1.4  | 1.7  |        |
|                                                     | 2600 - 3600     | —    | 1.5  | 1.8  |        |
| <b>VSWR (Port 1-8)</b>                              | 600 - 1600      | —    | 1.1  | 1.4  | :1     |
|                                                     | 1600 - 2600     | —    | 1.3  | 1.6  |        |
|                                                     | 2600 - 3600     | —    | 1.4  | 1.7  |        |

## Typical Performance Data

| Freq.<br>(MHz) | Total Loss <sup>1</sup><br>(dB) |       |       |       |       |       | Amp.<br>Unb.<br>(dB) | Isolation<br>(dB) |       |       |       | Phase<br>Unb.<br>(deg.) | VSWR<br>S | VSWR<br>1 | VSWR<br>8 |
|----------------|---------------------------------|-------|-------|-------|-------|-------|----------------------|-------------------|-------|-------|-------|-------------------------|-----------|-----------|-----------|
|                | S-1                             | S-2   | S-3   | S-4   | S-6   | S-8   |                      | 1-2               | 1-3   | 3-4   | 5-6   |                         |           |           |           |
| 600.00         | 9.44                            | 9.41  | 9.41  | 9.44  | 9.42  | 9.45  | 0.05                 | 18.77             | 24.61 | 18.75 | 18.60 | 1.01                    | 1.28      | 1.07      | 1.06      |
| 800.00         | 9.60                            | 9.58  | 9.57  | 9.59  | 9.59  | 9.60  | 0.04                 | 25.59             | 32.59 | 26.26 | 26.46 | 1.28                    | 1.48      | 1.18      | 1.16      |
| 1050.00        | 9.53                            | 9.52  | 9.51  | 9.52  | 9.54  | 9.54  | 0.04                 | 30.80             | 41.36 | 31.01 | 30.66 | 1.77                    | 1.17      | 1.12      | 1.11      |
| 1250.00        | 9.79                            | 9.79  | 9.79  | 9.78  | 9.81  | 9.81  | 0.04                 | 21.45             | 30.67 | 21.37 | 21.00 | 2.01                    | 1.56      | 1.11      | 1.12      |
| 1450.00        | 9.64                            | 9.63  | 9.64  | 9.64  | 9.66  | 9.64  | 0.04                 | 22.29             | 29.28 | 22.13 | 22.27 | 2.41                    | 1.12      | 1.15      | 1.16      |
| 1650.00        | 9.75                            | 9.74  | 9.74  | 9.74  | 9.76  | 9.73  | 0.05                 | 25.03             | 31.94 | 25.29 | 25.10 | 2.77                    | 1.27      | 1.16      | 1.17      |
| 1850.00        | 9.81                            | 9.80  | 9.80  | 9.81  | 9.82  | 9.77  | 0.07                 | 29.69             | 36.60 | 30.51 | 30.59 | 3.11                    | 1.28      | 1.13      | 1.12      |
| 2050.00        | 10.01                           | 10.01 | 10.01 | 10.00 | 10.02 | 9.96  | 0.07                 | 25.62             | 30.49 | 25.99 | 25.69 | 3.56                    | 1.49      | 1.14      | 1.16      |
| 2250.00        | 9.87                            | 9.85  | 9.85  | 9.85  | 9.88  | 9.81  | 0.10                 | 26.77             | 28.39 | 27.03 | 27.99 | 3.96                    | 1.06      | 1.16      | 1.18      |
| 2450.00        | 10.13                           | 10.10 | 10.12 | 10.09 | 10.08 | 10.01 | 0.12                 | 21.94             | 29.74 | 22.02 | 22.71 | 4.40                    | 1.40      | 1.28      | 1.27      |
| 2650.00        | 10.18                           | 10.15 | 10.19 | 10.14 | 10.14 | 10.05 | 0.15                 | 24.03             | 35.92 | 24.20 | 25.39 | 4.81                    | 1.44      | 1.27      | 1.27      |
| 3050.00        | 10.22                           | 10.19 | 10.23 | 10.11 | 10.18 | 10.00 | 0.23                 | 34.38             | 28.99 | 36.41 | 35.65 | 5.36                    | 1.20      | 1.21      | 1.17      |
| 3250.00        | 10.42                           | 10.36 | 10.40 | 10.30 | 10.35 | 10.14 | 0.28                 | 22.35             | 35.42 | 22.19 | 22.05 | 5.48                    | 1.38      | 1.31      | 1.25      |
| 3420.00        | 10.35                           | 10.26 | 10.28 | 10.17 | 10.20 | 10.02 | 0.33                 | 29.53             | 31.57 | 29.62 | 28.76 | 5.61                    | 1.06      | 1.31      | 1.25      |
| 3610.00        | 10.70                           | 10.60 | 10.59 | 10.52 | 10.44 | 10.28 | 0.42                 | 18.01             | 23.41 | 17.71 | 18.52 | 6.09                    | 1.46      | 1.18      | 1.16      |

1. Total Loss = Insertion Loss + 9.0 dB splitter theoretical loss.



## Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)



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REV. B  
M151107  
ED-13816  
ZB8PD-362+  
KL/CP/AM  
190423

# 8 Way-0° Power Splitter/Combiner

ZB8PD-362+

## Typical Performance Data

| FREQ.<br>(MHz) | TOTAL LOSS <sup>1</sup><br>(dB) |       |       |       |       |       | AMP.<br>UNBAL.<br>(dB) | ISOLATION<br>(dB) |       |       |       | PHASE<br>UNBAL.<br>(deg.) | FREQ.<br>(MHz) | VSWR<br>(:1) |      |      |
|----------------|---------------------------------|-------|-------|-------|-------|-------|------------------------|-------------------|-------|-------|-------|---------------------------|----------------|--------------|------|------|
|                | S-1                             | S-2   | S-3   | S-4   | S-5   | S-8   |                        | 1-2               | 1-3   | 3-4   | 5-6   |                           |                | S            | 1    | 8    |
| 600.0          | 9.44                            | 9.41  | 9.41  | 9.44  | 9.42  | 9.45  | 0.05                   | 18.77             | 24.61 | 18.75 | 18.60 | 1.01                      | 600.0          | 1.28         | 1.07 | 1.06 |
| 620.0          | 9.49                            | 9.46  | 9.45  | 9.49  | 9.47  | 9.50  | 0.06                   | 19.93             | 24.86 | 19.96 | 19.80 | 1.05                      | 620.0          | 1.36         | 1.08 | 1.07 |
| 640.0          | 9.55                            | 9.53  | 9.52  | 9.56  | 9.54  | 9.56  | 0.06                   | 20.97             | 25.20 | 21.07 | 20.93 | 1.07                      | 640.0          | 1.47         | 1.09 | 1.08 |
| 660.0          | 9.62                            | 9.59  | 9.58  | 9.62  | 9.60  | 9.62  | 0.05                   | 21.83             | 25.65 | 22.02 | 21.91 | 1.12                      | 660.0          | 1.56         | 1.11 | 1.09 |
| 680.0          | 9.67                            | 9.65  | 9.63  | 9.67  | 9.65  | 9.68  | 0.05                   | 22.50             | 26.20 | 22.78 | 22.73 | 1.14                      | 680.0          | 1.63         | 1.12 | 1.10 |
| 700.0          | 9.71                            | 9.68  | 9.67  | 9.71  | 9.69  | 9.71  | 0.05                   | 23.01             | 26.87 | 23.38 | 23.40 | 1.18                      | 700.0          | 1.68         | 1.14 | 1.12 |
| 750.0          | 9.71                            | 9.68  | 9.66  | 9.70  | 9.69  | 9.70  | 0.05                   | 24.00             | 29.13 | 24.54 | 24.70 | 1.24                      | 750.0          | 1.66         | 1.17 | 1.15 |
| 800.0          | 9.60                            | 9.58  | 9.57  | 9.59  | 9.59  | 9.60  | 0.04                   | 25.59             | 32.59 | 26.26 | 26.46 | 1.28                      | 800.0          | 1.48         | 1.18 | 1.16 |
| 850.0          | 9.51                            | 9.49  | 9.48  | 9.50  | 9.50  | 9.51  | 0.05                   | 28.47             | 38.33 | 29.39 | 29.40 | 1.34                      | 850.0          | 1.26         | 1.18 | 1.16 |
| 1050.0         | 9.53                            | 9.52  | 9.51  | 9.52  | 9.54  | 9.54  | 0.04                   | 30.80             | 41.36 | 31.01 | 30.66 | 1.77                      | 1050.0         | 1.17         | 1.12 | 1.11 |
| 1150.0         | 9.61                            | 9.61  | 9.60  | 9.60  | 9.62  | 9.62  | 0.03                   | 23.64             | 35.63 | 23.65 | 23.20 | 1.85                      | 1150.0         | 1.28         | 1.05 | 1.04 |
| 1250.0         | 9.79                            | 9.79  | 9.79  | 9.78  | 9.81  | 9.81  | 0.04                   | 21.45             | 30.67 | 21.37 | 21.00 | 2.01                      | 1250.0         | 1.56         | 1.11 | 1.12 |
| 1350.0         | 9.70                            | 9.69  | 9.69  | 9.69  | 9.71  | 9.71  | 0.04                   | 21.95             | 28.71 | 21.77 | 21.63 | 2.24                      | 1350.0         | 1.36         | 1.14 | 1.16 |
| 1450.0         | 9.64                            | 9.63  | 9.64  | 9.64  | 9.66  | 9.64  | 0.04                   | 22.29             | 29.28 | 22.13 | 22.27 | 2.41                      | 1450.0         | 1.12         | 1.15 | 1.16 |
| 1550.0         | 9.78                            | 9.77  | 9.77  | 9.78  | 9.80  | 9.77  | 0.05                   | 22.87             | 31.18 | 22.85 | 22.91 | 2.61                      | 1550.0         | 1.39         | 1.17 | 1.18 |
| 1650.0         | 9.75                            | 9.74  | 9.74  | 9.74  | 9.76  | 9.73  | 0.05                   | 25.03             | 31.94 | 25.29 | 25.10 | 2.77                      | 1650.0         | 1.27         | 1.16 | 1.17 |
| 1750.0         | 9.77                            | 9.76  | 9.76  | 9.76  | 9.78  | 9.75  | 0.05                   | 26.78             | 32.67 | 27.28 | 27.17 | 2.93                      | 1750.0         | 1.24         | 1.16 | 1.17 |
| 1850.0         | 9.81                            | 9.80  | 9.80  | 9.81  | 9.82  | 9.77  | 0.07                   | 29.69             | 36.60 | 30.51 | 30.59 | 3.11                      | 1850.0         | 1.28         | 1.13 | 1.12 |
| 1950.0         | 9.81                            | 9.80  | 9.81  | 9.81  | 9.82  | 9.76  | 0.07                   | 28.32             | 36.13 | 29.04 | 28.83 | 3.34                      | 1950.0         | 1.19         | 1.04 | 1.05 |
| 2050.0         | 10.01                           | 10.01 | 10.01 | 10.00 | 10.02 | 9.96  | 0.07                   | 25.62             | 30.49 | 25.99 | 25.69 | 3.56                      | 2050.0         | 1.49         | 1.14 | 1.16 |
| 2150.0         | 10.02                           | 10.01 | 10.00 | 10.00 | 10.02 | 9.96  | 0.08                   | 27.36             | 28.28 | 27.78 | 27.60 | 3.75                      | 2150.0         | 1.46         | 1.18 | 1.21 |
| 2250.0         | 9.87                            | 9.85  | 9.85  | 9.85  | 9.88  | 9.81  | 0.10                   | 26.77             | 28.39 | 27.03 | 27.99 | 3.96                      | 2250.0         | 1.06         | 1.16 | 1.18 |
| 2350.0         | 10.03                           | 10.00 | 10.01 | 10.00 | 10.02 | 9.94  | 0.12                   | 23.53             | 29.23 | 23.67 | 24.48 | 4.28                      | 2350.0         | 1.33         | 1.21 | 1.22 |
| 2450.0         | 10.13                           | 10.10 | 10.12 | 10.09 | 10.08 | 10.01 | 0.12                   | 21.94             | 29.74 | 22.02 | 22.71 | 4.40                      | 2450.0         | 1.40         | 1.28 | 1.27 |
| 2550.0         | 10.16                           | 10.13 | 10.17 | 10.12 | 10.12 | 10.04 | 0.13                   | 21.66             | 31.31 | 21.82 | 22.58 | 4.54                      | 2550.0         | 1.43         | 1.33 | 1.32 |
| 2650.0         | 10.18                           | 10.15 | 10.19 | 10.14 | 10.14 | 10.05 | 0.15                   | 24.03             | 35.92 | 24.20 | 25.39 | 4.81                      | 2650.0         | 1.44         | 1.27 | 1.27 |
| 2750.0         | 10.08                           | 10.06 | 10.09 | 10.00 | 10.05 | 9.95  | 0.16                   | 30.77             | 38.47 | 30.33 | 32.77 | 4.91                      | 2750.0         | 1.12         | 1.12 | 1.12 |
| 2850.0         | 10.14                           | 10.11 | 10.14 | 10.04 | 10.11 | 10.00 | 0.17                   | 30.36             | 31.86 | 29.88 | 30.75 | 5.17                      | 2850.0         | 1.23         | 1.14 | 1.12 |
| 2950.0         | 10.26                           | 10.22 | 10.25 | 10.14 | 10.23 | 10.08 | 0.21                   | 30.85             | 29.44 | 31.17 | 32.94 | 5.40                      | 2950.0         | 1.37         | 1.22 | 1.20 |
| 3050.0         | 10.22                           | 10.19 | 10.23 | 10.11 | 10.18 | 10.00 | 0.23                   | 34.38             | 28.99 | 36.41 | 35.65 | 5.36                      | 3050.0         | 1.20         | 1.21 | 1.17 |
| 3150.0         | 10.22                           | 10.20 | 10.26 | 10.11 | 10.21 | 9.98  | 0.27                   | 25.80             | 30.30 | 25.75 | 25.12 | 5.37                      | 3150.0         | 1.09         | 1.21 | 1.15 |
| 3250.0         | 10.42                           | 10.36 | 10.40 | 10.30 | 10.35 | 10.14 | 0.28                   | 22.35             | 35.42 | 22.19 | 22.05 | 5.48                      | 3250.0         | 1.38         | 1.31 | 1.25 |
| 3360.0         | 10.40                           | 10.31 | 10.35 | 10.25 | 10.27 | 10.07 | 0.32                   | 24.87             | 40.52 | 24.62 | 24.55 | 5.53                      | 3360.0         | 1.31         | 1.37 | 1.30 |
| 3390.0         | 10.36                           | 10.27 | 10.30 | 10.19 | 10.22 | 10.03 | 0.33                   | 27.12             | 35.02 | 26.94 | 26.66 | 5.54                      | 3390.0         | 1.18         | 1.34 | 1.29 |
| 3420.0         | 10.35                           | 10.26 | 10.28 | 10.17 | 10.20 | 10.02 | 0.33                   | 29.53             | 31.57 | 29.62 | 28.76 | 5.61                      | 3420.0         | 1.06         | 1.31 | 1.25 |
| 3450.0         | 10.40                           | 10.30 | 10.31 | 10.20 | 10.23 | 10.06 | 0.34                   | 29.20             | 29.12 | 29.54 | 28.54 | 5.67                      | 3450.0         | 1.13         | 1.28 | 1.21 |
| 3460.0         | 10.42                           | 10.32 | 10.33 | 10.22 | 10.25 | 10.08 | 0.34                   | 28.31             | 28.45 | 28.60 | 27.79 | 5.70                      | 3460.0         | 1.18         | 1.26 | 1.20 |
| 3470.0         | 10.45                           | 10.35 | 10.36 | 10.25 | 10.27 | 10.11 | 0.34                   | 27.25             | 27.84 | 27.48 | 26.91 | 5.74                      | 3470.0         | 1.24         | 1.25 | 1.19 |
| 3480.0         | 10.49                           | 10.39 | 10.39 | 10.28 | 10.30 | 10.15 | 0.34                   | 26.17             | 27.28 | 26.33 | 25.97 | 5.76                      | 3480.0         | 1.29         | 1.23 | 1.18 |
| 3490.0         | 10.53                           | 10.42 | 10.43 | 10.31 | 10.34 | 10.18 | 0.35                   | 25.13             | 26.78 | 25.22 | 25.05 | 5.80                      | 3490.0         | 1.34         | 1.22 | 1.17 |
| 3500.0         | 10.57                           | 10.46 | 10.46 | 10.35 | 10.37 | 10.22 | 0.35                   | 24.17             | 26.33 | 24.20 | 24.18 | 5.84                      | 3500.0         | 1.39         | 1.21 | 1.16 |
| 3510.0         | 10.60                           | 10.50 | 10.50 | 10.39 | 10.40 | 10.25 | 0.35                   | 23.29             | 25.91 | 23.28 | 23.38 | 5.88                      | 3510.0         | 1.44         | 1.20 | 1.15 |
| 3520.0         | 10.64                           | 10.53 | 10.53 | 10.42 | 10.43 | 10.28 | 0.36                   | 22.49             | 25.53 | 22.44 | 22.66 | 5.93                      | 3520.0         | 1.48         | 1.19 | 1.15 |
| 3530.0         | 10.67                           | 10.56 | 10.56 | 10.46 | 10.46 | 10.31 | 0.36                   | 21.77             | 25.18 | 21.68 | 21.99 | 5.95                      | 3530.0         | 1.52         | 1.18 | 1.14 |
| 3540.0         | 10.69                           | 10.58 | 10.58 | 10.48 | 10.47 | 10.32 | 0.37                   | 21.12             | 24.86 | 21.00 | 21.39 | 5.99                      | 3540.0         | 1.55         | 1.18 | 1.14 |
| 3550.0         | 10.72                           | 10.60 | 10.60 | 10.51 | 10.49 | 10.34 | 0.38                   | 20.53             | 24.57 | 20.39 | 20.86 | 6.01                      | 3550.0         | 1.57         | 1.18 | 1.14 |
| 3560.0         | 10.73                           | 10.62 | 10.62 | 10.52 | 10.49 | 10.34 | 0.39                   | 20.00             | 24.31 | 19.83 | 20.38 | 6.04                      | 3560.0         | 1.58         | 1.18 | 1.14 |
| 3570.0         | 10.74                           | 10.63 | 10.62 | 10.54 | 10.50 | 10.34 | 0.39                   | 19.53             | 24.08 | 19.33 | 19.94 | 6.05                      | 3570.0         | 1.58         | 1.18 | 1.14 |
| 3580.0         | 10.74                           | 10.63 | 10.62 | 10.54 | 10.49 | 10.34 | 0.40                   | 19.10             | 23.88 | 18.87 | 19.55 | 6.05                      | 3580.0         | 1.57         | 1.18 | 1.14 |
| 3590.0         | 10.73                           | 10.62 | 10.62 | 10.54 | 10.48 | 10.32 | 0.41                   | 18.71             | 23.70 | 18.46 | 19.19 | 6.05                      | 3590.0         | 1.54         | 1.18 | 1.15 |
| 3610.0         | 10.70                           | 10.60 | 10.59 | 10.52 | 10.44 | 10.28 | 0.42                   | 18.01             | 23.41 | 17.71 | 18.52 | 6.09                      | 3610.0         | 1.46         | 1.18 | 1.16 |

<sup>1</sup>Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

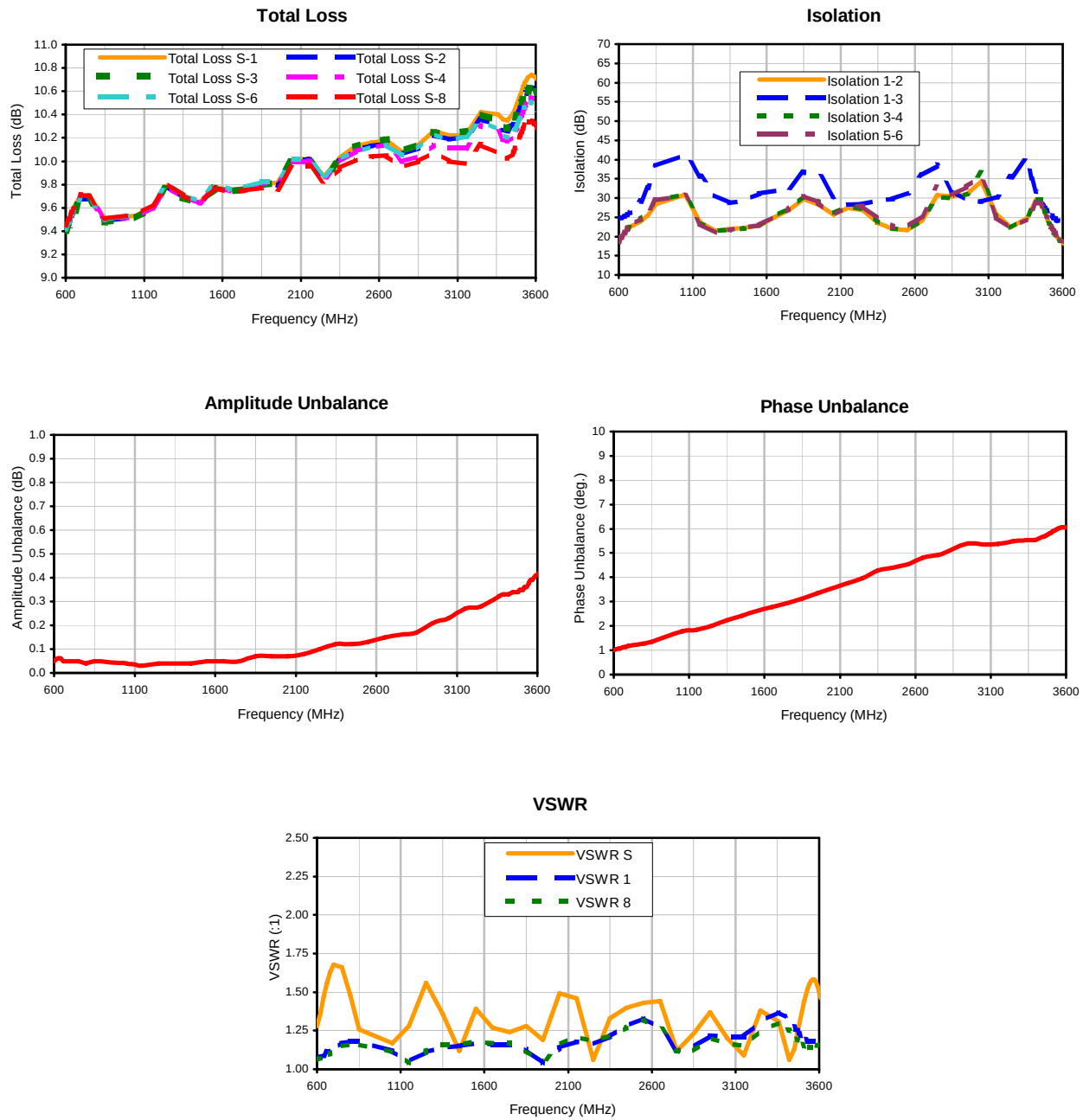


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# 8 Way-0° Power Splitter/Combiner

ZB8PD-362+

## Typical Performance Curves



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site  
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

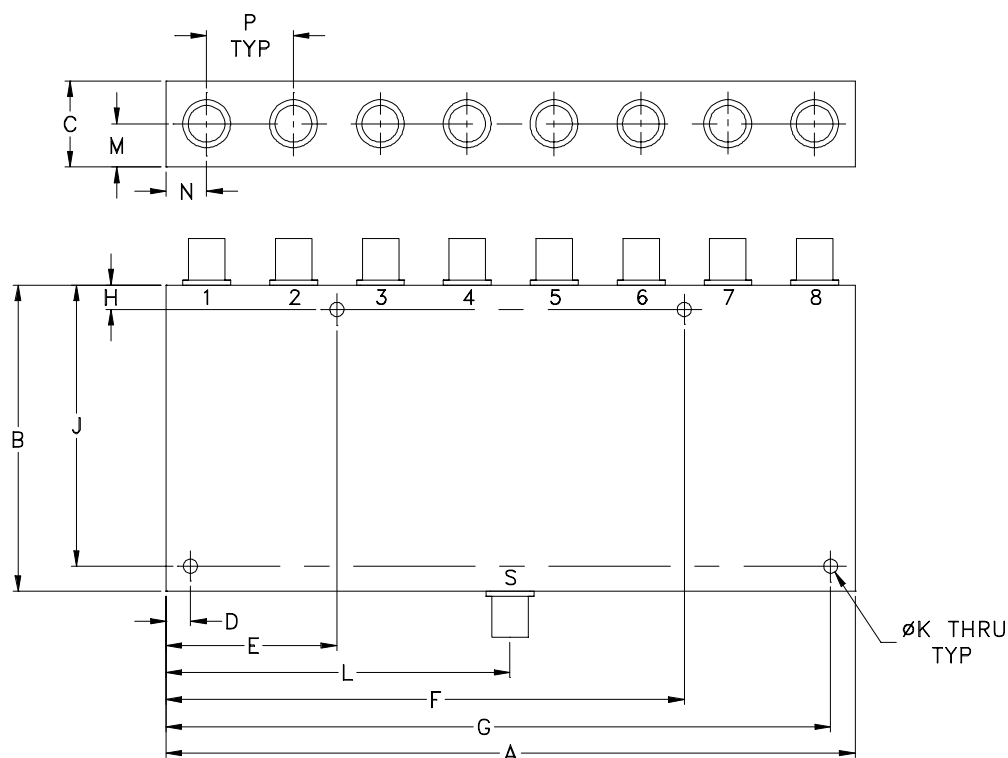


IF/RF MICROWAVE COMPONENTS

[minicircuits.com](http://minicircuits.com)

REV. OR  
ZB8PD-362+  
5/14/2012  
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### Outline Dimensions



| CASE# | A                | B               | C              | D              | E                | F                 | G                 | H              | J                | K              | L               | M              | N               |
|-------|------------------|-----------------|----------------|----------------|------------------|-------------------|-------------------|----------------|------------------|----------------|-----------------|----------------|-----------------|
| Z41   | 7.06<br>(179.32) | 3.13<br>(79.50) | .88<br>(22.35) | .250<br>(6.35) | 1.750<br>(44.45) | 5.310<br>(134.87) | 6.810<br>(172.97) | .250<br>(6.35) | 2.875<br>(73.03) | .144<br>(3.66) | 3.53<br>(89.66) | .44<br>(11.18) | .415<br>(10.54) |

| CASE# | P              | WT.GRAMS |
|-------|----------------|----------|
| Z41   | .89<br>(22.61) | 800      |

Dimensions are in inches (mm). Tolerances: 2 Pl.  $\pm .03$ ; 3 Pl.  $\pm .015$

#### Notes:

- Case material: Aluminum alloy.
- Case finish:

For RoHS Case Styles:

Clear chemical conversion coating, non-chrome or trivalent chrome based.



INTERNET <http://www.minicircuits.com>

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Mini-Circuits ISO 9001 & ISO 14001 Certified



All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

| Specification         | Test/Inspection Condition                                                              | Reference/Spec                       |
|-----------------------|----------------------------------------------------------------------------------------|--------------------------------------|
| Operating Temperature | -55° to 100°C<br>Ambient Environment                                                   | Individual Model Data Sheet          |
| Storage Temperature   | -55° to 100° C<br>Ambient Environment                                                  | Individual Model Data Sheet          |
| Barometric Pressure   | 100,000 Feet                                                                           | MIL-STD-202, Method 105, Condition D |
| Humidity              | 90% RH, 65°C<br>Units may require bake-out after humidity to restore full performance. | MIL-STD-202, Method 103              |
| Thermal Shock         | -65° to 125°C, 5 cycles                                                                | MIL-STD-202, Method 107, Condition B |