

# 2 Way-0° Power Splitter/Combiner

**ZX10-2-98+**

## 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            | 1    | 2    |
| 4750.0         | 3.60                            | 3.65 | 0.06                   | 11.68             | 0.46                      | 4750.0         | 1.94         | 1.32 | 1.31 |
| 4825.0         | 3.59                            | 3.64 | 0.06                   | 11.80             | 0.40                      | 4825.0         | 1.90         | 1.33 | 1.31 |
| 4900.0         | 3.57                            | 3.62 | 0.05                   | 11.94             | 0.36                      | 4900.0         | 1.85         | 1.33 | 1.31 |
| 4975.0         | 3.55                            | 3.60 | 0.05                   | 12.10             | 0.33                      | 4975.0         | 1.81         | 1.32 | 1.30 |
| 5050.0         | 3.52                            | 3.57 | 0.05                   | 12.29             | 0.31                      | 5050.0         | 1.77         | 1.33 | 1.30 |
| 5125.0         | 3.50                            | 3.55 | 0.05                   | 12.52             | 0.25                      | 5125.0         | 1.72         | 1.32 | 1.30 |
| 5200.0         | 3.48                            | 3.53 | 0.05                   | 12.76             | 0.23                      | 5200.0         | 1.68         | 1.33 | 1.30 |
| 5275.0         | 3.47                            | 3.51 | 0.05                   | 13.01             | 0.21                      | 5275.0         | 1.63         | 1.33 | 1.30 |
| 5350.0         | 3.45                            | 3.49 | 0.04                   | 13.30             | 0.20                      | 5350.0         | 1.59         | 1.33 | 1.30 |
| 5425.0         | 3.43                            | 3.46 | 0.04                   | 13.64             | 0.25                      | 5425.0         | 1.54         | 1.33 | 1.29 |
| 5500.0         | 3.40                            | 3.44 | 0.03                   | 14.02             | 0.30                      | 5500.0         | 1.50         | 1.33 | 1.29 |
| 5650.0         | 3.38                            | 3.41 | 0.03                   | 14.45             | 0.39                      | 5650.0         | 1.42         | 1.32 | 1.28 |
| 5800.0         | 3.37                            | 3.39 | 0.02                   | 14.94             | 0.46                      | 5800.0         | 1.35         | 1.32 | 1.28 |
| 5950.0         | 3.35                            | 3.37 | 0.02                   | 15.47             | 0.52                      | 5950.0         | 1.28         | 1.32 | 1.28 |
| 6100.0         | 3.34                            | 3.35 | 0.01                   | 16.07             | 0.62                      | 6100.0         | 1.21         | 1.31 | 1.27 |
| 6250.0         | 3.33                            | 3.33 | 0.00                   | 16.74             | 0.67                      | 6250.0         | 1.16         | 1.31 | 1.26 |
| 6400.0         | 3.32                            | 3.31 | 0.00                   | 17.46             | 0.68                      | 6400.0         | 1.11         | 1.31 | 1.26 |
| 6550.0         | 3.31                            | 3.30 | 0.00                   | 18.31             | 0.68                      | 6550.0         | 1.07         | 1.31 | 1.26 |
| 6700.0         | 3.30                            | 3.29 | 0.01                   | 19.32             | 0.63                      | 6700.0         | 1.03         | 1.31 | 1.26 |
| 6850.0         | 3.30                            | 3.29 | 0.01                   | 20.54             | 0.58                      | 6850.0         | 1.01         | 1.31 | 1.26 |
| 7000.0         | 3.30                            | 3.29 | 0.02                   | 22.06             | 0.48                      | 7000.0         | 1.03         | 1.31 | 1.26 |
| 7200.0         | 3.30                            | 3.29 | 0.02                   | 23.99             | 0.37                      | 7200.0         | 1.07         | 1.30 | 1.26 |
| 7400.0         | 3.30                            | 3.29 | 0.01                   | 25.82             | 0.25                      | 7400.0         | 1.10         | 1.30 | 1.25 |
| 7600.0         | 3.30                            | 3.29 | 0.01                   | 27.14             | 0.13                      | 7600.0         | 1.13         | 1.29 | 1.25 |
| 7800.0         | 3.30                            | 3.29 | 0.01                   | 27.96             | 0.00                      | 7800.0         | 1.16         | 1.28 | 1.24 |
| 8000.0         | 3.30                            | 3.29 | 0.01                   | 28.42             | 0.11                      | 8000.0         | 1.18         | 1.26 | 1.22 |
| 8200.0         | 3.29                            | 3.28 | 0.01                   | 28.46             | 0.21                      | 8200.0         | 1.21         | 1.24 | 1.21 |
| 8400.0         | 3.29                            | 3.28 | 0.01                   | 28.19             | 0.30                      | 8400.0         | 1.22         | 1.22 | 1.20 |
| 8600.0         | 3.28                            | 3.27 | 0.01                   | 27.58             | 0.38                      | 8600.0         | 1.24         | 1.19 | 1.17 |
| 8800.0         | 3.27                            | 3.27 | 0.01                   | 26.54             | 0.45                      | 8800.0         | 1.27         | 1.17 | 1.17 |
| 9000.0         | 3.27                            | 3.27 | 0.01                   | 24.97             | 0.51                      | 9000.0         | 1.28         | 1.16 | 1.17 |
| 9080.0         | 3.27                            | 3.26 | 0.01                   | 23.36             | 0.58                      | 9080.0         | 1.29         | 1.16 | 1.17 |
| 9160.0         | 3.28                            | 3.26 | 0.01                   | 22.14             | 0.66                      | 9160.0         | 1.31         | 1.18 | 1.18 |
| 9240.0         | 3.28                            | 3.27 | 0.01                   | 21.27             | 0.69                      | 9240.0         | 1.32         | 1.19 | 1.20 |
| 9320.0         | 3.30                            | 3.29 | 0.01                   | 20.65             | 0.69                      | 9320.0         | 1.34         | 1.21 | 1.23 |
| 9400.0         | 3.32                            | 3.31 | 0.01                   | 20.24             | 0.73                      | 9400.0         | 1.37         | 1.23 | 1.25 |
| 9480.0         | 3.35                            | 3.33 | 0.01                   | 19.88             | 0.73                      | 9480.0         | 1.39         | 1.26 | 1.28 |
| 9560.0         | 3.37                            | 3.36 | 0.01                   | 19.57             | 0.77                      | 9560.0         | 1.42         | 1.30 | 1.30 |
| 9640.0         | 3.39                            | 3.38 | 0.01                   | 19.33             | 0.78                      | 9640.0         | 1.45         | 1.34 | 1.34 |
| 9720.0         | 3.41                            | 3.40 | 0.01                   | 19.14             | 0.78                      | 9720.0         | 1.49         | 1.38 | 1.38 |
| 9800.0         | 3.43                            | 3.42 | 0.01                   | 19.00             | 0.78                      | 9800.0         | 1.53         | 1.43 | 1.43 |

<sup>1</sup> Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2  
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Page 1 of 1



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