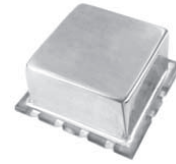


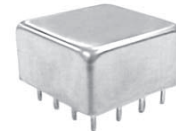
# POWER DIVIDERS

## 0° : 8-WAY



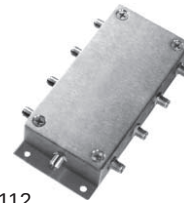
### SURFACE MOUNT

| FREQUENCY RANGE<br>(MHz) | ISOLATION (dB) |               |               | INSERTION LOSS (dB) |               |               | PHASE UNBALANCE (Degrees) |           |           | AMPLITUDE UNBALANCE (dB) |           |           | PACKAGE | PIN-OUT<br>(See Below) | MODEL   |
|--------------------------|----------------|---------------|---------------|---------------------|---------------|---------------|---------------------------|-----------|-----------|--------------------------|-----------|-----------|---------|------------------------|---------|
|                          | LB<br>TYP/MIN  | MB<br>TYP/MIN | UB<br>TYP/MIN | LB<br>TYP/MAX       | MB<br>TYP/MAX | UB<br>TYP/MAX | LB<br>MAX                 | MB<br>MAX | UB<br>MAX | LB<br>MAX                | MB<br>MAX | UB<br>MAX |         |                        |         |
| 0.01-10                  | 40/20          | 40/25         | 28/23         | 0.3/0.7             | 0.5/1.0       | 0.6/1.1       | 1.0                       | 2.5       | 4.0       | 0.1                      | 0.2       | 0.3       | 124S    | 1                      | DSS-9C1 |
| 0.01-30                  | 33/20          | 30/25         | 35/23         | 0.3/0.6             | 0.7/0.9       | 0.8/1.0       | 1.5                       | 3.0       | 4.0       | 0.3                      | 0.2       | 0.3       | 124S    | 1                      | DSS-914 |
| 0.5-175                  | 30/25          | 30/20         | 25/18         | 0.8/1.2             | 0.8/1.2       | 1.0/1.6       | 1.0                       | 2.5       | 5.0       | 0.2                      | 0.3       | 0.5       | 124S    | 1                      | DSS-9L2 |
| 1-200                    | 30/25          | 30/20         | 25/20         | 0.8/1.2             | 0.8/1.2       | 1.0/1.5       | 1.5                       | 3.0       | 6.0       | 0.2                      | 0.3       | 0.4       | 124S    | 1                      | DSS-915 |
| 1-500                    | 25/20          | 30/20         | 30/20         | 1.0/1.8             | 1.8/2.0       | 1.8/2.7       | 3.0                       | 6.0       | 12.0      | 0.2                      | 0.3       | 0.5       | 124S    | 1                      | DSS-916 |

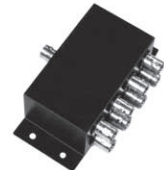


### THROUGH HOLE MOUNT(16 - Pin)

| FREQUENCY RANGE<br>(MHz) | ISOLATION (dB) |               |               | INSERTION LOSS (dB) |               |               | PHASE UNBALANCE (Degrees) |           |           | AMPLITUDE UNBALANCE (dB) |           |           | PACKAGE | PIN-OUT<br>(See Below) | MODEL   |
|--------------------------|----------------|---------------|---------------|---------------------|---------------|---------------|---------------------------|-----------|-----------|--------------------------|-----------|-----------|---------|------------------------|---------|
|                          | LB<br>TYP/MIN  | MB<br>TYP/MIN | UB<br>TYP/MIN | LB<br>TYP/MAX       | MB<br>TYP/MAX | UB<br>TYP/MAX | LB<br>MAX                 | MB<br>MAX | UB<br>MAX | LB<br>MAX                | MB<br>MAX | UB<br>MAX |         |                        |         |
| 0.01-10                  | 40/20          | 40/25         | 28/23         | 0.3/0.7             | 0.5/1.0       | 0.6/1.1       | 1.0                       | 2.5       | 4.0       | 0.1                      | 0.2       | 0.3       | 124     | 2                      | DSP-9C1 |
| 0.01-30                  | 33/20          | 30/25         | 35/23         | 0.3/0.6             | 0.7/0.9       | 0.8/1.0       | 1.5                       | 3.0       | 4.0       | 0.3                      | 0.2       | 0.3       | 124     | 3                      | DSP-914 |
| 0.5-175                  | 30/25          | 30/20         | 25/18         | 0.8/1.2             | 0.8/1.2       | 1.0/1.6       | 1.0                       | 2.5       | 5.0       | 0.2                      | 0.3       | 0.5       | 124     | 2                      | DSP-9L2 |
| 1-200                    | 30/25          | 30/20         | 25/20         | 0.8/1.2             | 0.8/1.2       | 1.0/1.5       | 1.5                       | 3.0       | 6.0       | 0.2                      | 0.3       | 0.4       | 124     | 3                      | DSP-915 |
| 1-500                    | 25/20          | 30/20         | 30/20         | 1.0/1.8             | 1.8/2.0       | 1.8/2.7       | 3.0                       | 6.0       | 12.0      | 0.2                      | 0.3       | 0.5       | 124     | 2                      | DSP-916 |



112



170

### COAXIAL CONNECTOR

| FREQUENCY RANGE<br>(MHz) | ISOLATION (dB) |               |               | INSERTION LOSS (dB) |               |               | PHASE UNBALANCE (Degrees) |           |           | AMPLITUDE UNBALANCE (dB) |           |           | PACKAGE | PIN-OUT<br>(See Below) | MODEL     |
|--------------------------|----------------|---------------|---------------|---------------------|---------------|---------------|---------------------------|-----------|-----------|--------------------------|-----------|-----------|---------|------------------------|-----------|
|                          | LB<br>TYP/MIN  | MB<br>TYP/MIN | UB<br>TYP/MIN | LB<br>TYP/MAX       | MB<br>TYP/MAX | UB<br>TYP/MAX | LB<br>MAX                 | MB<br>MAX | UB<br>MAX | LB<br>MAX                | MB<br>MAX | UB<br>MAX |         |                        |           |
| 0.01-30                  | 33/20          | 30/25         | 35/23         | 0.3/0.6             | 0.7/0.9       | 0.8/1.0       | 1.5                       | 3.0       | 4.0       | 0.3                      | 0.2       | 0.3       | 112     | 4                      | DSK-714*  |
| 1-200                    | 30/25          | 30/20         | 25/20         | 0.8/1.2             | 0.8/1.2       | 1.0/1.5       | 1.5                       | 3.0       | 6.0       | 0.2                      | 0.3       | 0.3       | 112     | 4                      | DSK-715*  |
| 1-500                    | 25/20          | 30/20         | 30/20         | 1.0/1.8             | 1.8/2.0       | 1.8/2.7       | 3.0                       | 6.0       | 10.0      | 0.2                      | 0.3       | 0.5       | 112     | 4                      | DSK-716*  |
| 5-200                    | 30/20          | 25/20         | 25/20         | 0.4/0.7             | 0.5/0.9       | 0.7/1.2       | 4.0                       | 6.0       | 10.0      | 0.15                     | 0.2       | 0.3       | 170     | 2                      | DSK-773B■ |
| 30-1000                  | 23/20          | 25/20         | 23/20         | 0.8/1.2             | 1.6/2.1       | 2.5/2.8       | 3.0                       | 8.0       | 12.0      | 0.3                      | 0.4       | 0.7       | 112     | 4                      | DSK-810S  |

Power Rating (All Models) = 1 Watt, max

\* Select female connector suffix:

"B" = BNC, "S" = SMA, "N" = Type N, "T" = TNC

■ 75 Ohm Model

For pin location and package outline drawings, see back pages.

| PIN-OUT TABLE |       |                    |             |          |
|---------------|-------|--------------------|-------------|----------|
|               | INPUT | OUTPUT             | CASE GROUND | NOT USED |
| # 1           | 2     | 1,4,5,8,9,12,13,16 | 3, 14,15    | -        |
| # 2           | 2     | 1,4,5,8,9,12,13,16 | 3,6,7,14,15 | 10,11    |
| # 3           | 2     | 1,4,5,8,9,12,13,16 | All Other   | -        |
| # 4           | 1     | 2,3,4,5,6,7,8,9    | -           | -        |

LB = LF to 10 LF  
MB = 10 LF to HF/2  
UB = HF/2 to HF

