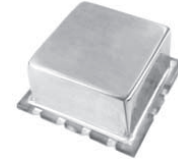


# POWER DIVIDERS

## 0° : 8-WAY



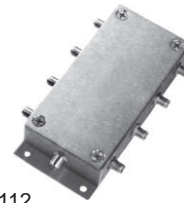
### SURFACE MOUNT

| FREQUENCY RANGE<br>(MHz) | ISOLATION (dB) |            |            | INSERTION LOSS (dB) |            |            | PHASE UNBALANCE (Degrees) |        |        | AMPLITUDE UNBALANCE (dB) |        |        | PACKAGE | PIN-OUT (See Below) | MODEL   |
|--------------------------|----------------|------------|------------|---------------------|------------|------------|---------------------------|--------|--------|--------------------------|--------|--------|---------|---------------------|---------|
|                          | LB TYP/MIN     | MB TYP/MIN | UB TYP/MIN | LB TYP/MAX          | MB TYP/MAX | UB TYP/MAX | LB MAX                    | MB MAX | UB MAX | LB MAX                   | MB MAX | UB 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 (See Below) | MODEL   |
|--------------------------|----------------|------------|------------|---------------------|------------|------------|---------------------------|--------|--------|--------------------------|--------|--------|---------|---------------------|---------|
|                          | LB TYP/MIN     | MB TYP/MIN | UB TYP/MIN | LB TYP/MAX          | MB TYP/MAX | UB TYP/MAX | LB MAX                    | MB MAX | UB MAX | LB MAX                   | MB MAX | UB 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 (See Below) | MODEL     |
|--------------------------|----------------|------------|------------|---------------------|------------|------------|---------------------------|--------|--------|--------------------------|--------|--------|---------|---------------------|-----------|
|                          | LB TYP/MIN     | MB TYP/MIN | UB TYP/MIN | LB TYP/MAX          | MB TYP/MAX | UB TYP/MAX | LB MAX                    | MB MAX | UB MAX | LB MAX                   | MB MAX | UB 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

