

Directional Coupler

PDC-15-6-75+

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | COUPLING (dB) | DIRECTIVITY (dB) | RETURN LOSS | | |
|--------------------|---------------------------|------------------|---------------------|-------------|-------------|-------|
| | | | | IN | (dB) OUT | CPL |
| 0.02 | 0.20 | 14.41 | 52.19 | 26.22 | 26.25 | 25.23 |
| 0.03 | 0.19 | 14.39 | 52.30 | 28.86 | 28.98 | 28.04 |
| 0.04 | 0.19 | 14.39 | 52.58 | 30.37 | 30.61 | 29.73 |
| 0.05 | 0.18 | 14.38 | 53.50 | 31.47 | 31.73 | 30.99 |
| 0.06 | 0.18 | 14.38 | 54.22 | 32.23 | 32.54 | 31.83 |
| 0.07 | 0.18 | 14.38 | 54.58 | 32.63 | 32.91 | 32.40 |
| 0.08 | 0.18 | 14.37 | 54.77 | 32.87 | 33.41 | 32.92 |
| 0.09 | 0.18 | 14.37 | 55.06 | 33.10 | 33.82 | 33.25 |
| 0.10 | 0.18 | 14.37 | 56.06 | 33.71 | 33.81 | 33.31 |
| 0.20 | 0.19 | 14.37 | 57.25 | 34.30 | 34.31 | 34.16 |
| 1.00 | 0.19 | 14.38 | 57.88 | 34.20 | 34.90 | 33.77 |
| 2.00 | 0.19 | 14.38 | 55.61 | 34.07 | 35.06 | 32.93 |
| 3.00 | 0.19 | 14.39 | 53.91 | 33.76 | 35.15 | 31.13 |
| 4.00 | 0.20 | 14.39 | 52.31 | 33.76 | 35.15 | 29.51 |
| 5.00 | 0.20 | 14.40 | 50.93 | 33.43 | 35.51 | 28.18 |
| 6.00 | 0.20 | 14.40 | 49.98 | 33.22 | 35.38 | 26.90 |
| 7.00 | 0.20 | 14.41 | 48.17 | 32.74 | 35.44 | 25.71 |
| 8.00 | 0.20 | 14.42 | 47.10 | 32.77 | 34.89 | 24.64 |
| 9.00 | 0.21 | 14.42 | 45.89 | 32.39 | 34.65 | 23.70 |
| 10.00 | 0.21 | 14.43 | 45.14 | 32.00 | 34.42 | 22.81 |
| 11.00 | 0.21 | 14.44 | 43.98 | 31.61 | 34.15 | 22.05 |
| 12.00 | 0.21 | 14.45 | 43.18 | 31.58 | 33.80 | 21.32 |
| 13.00 | 0.21 | 14.45 | 42.18 | 31.13 | 33.67 | 20.66 |
| 14.00 | 0.21 | 14.46 | 41.27 | 30.79 | 33.13 | 20.01 |
| 15.00 | 0.21 | 14.47 | 40.46 | 30.55 | 32.89 | 19.43 |
| 16.00 | 0.22 | 14.48 | 39.72 | 30.22 | 32.74 | 18.86 |
| 17.00 | 0.22 | 14.50 | 38.98 | 29.94 | 32.17 | 18.39 |
| 18.00 | 0.22 | 14.51 | 38.29 | 29.61 | 31.91 | 17.92 |
| 19.00 | 0.22 | 14.52 | 37.58 | 29.26 | 31.37 | 17.42 |
| 20.00 | 0.22 | 14.53 | 36.87 | 29.05 | 31.10 | 17.00 |
| 21.00 | 0.22 | 14.55 | 36.20 | 28.73 | 30.75 | 16.59 |
| 22.00 | 0.22 | 14.56 | 35.58 | 28.32 | 30.44 | 16.17 |
| 23.00 | 0.23 | 14.58 | 35.02 | 28.16 | 30.29 | 15.84 |
| 24.00 | 0.23 | 14.59 | 34.38 | 27.98 | 29.89 | 15.47 |
| 25.00 | 0.23 | 14.61 | 33.82 | 27.56 | 29.45 | 15.10 |
| 26.00 | 0.23 | 14.62 | 33.29 | 27.37 | 29.14 | 14.79 |
| 27.00 | 0.23 | 14.64 | 32.66 | 27.07 | 28.91 | 14.49 |
| 28.00 | 0.24 | 14.66 | 32.12 | 26.76 | 28.58 | 14.18 |
| 29.00 | 0.24 | 14.68 | 31.65 | 26.61 | 28.29 | 13.87 |
| 30.00 | 0.24 | 14.69 | 31.08 | 26.38 | 27.97 | 13.60 |
| 35.00 | 0.25 | 14.80 | 28.70 | 25.14 | 26.77 | 12.34 |

REV. X1
PDC-15-6-75+
070213
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

