

# Frequency Multiplier (Doubler)

MK-5

## Typical Performance Data

| FREQUENCY<br>(MHz) |            |            |            | CONVERSION<br>LOSS<br>(dB) | HARMONIC OUTPUT* |            |            |
|--------------------|------------|------------|------------|----------------------------|------------------|------------|------------|
| X 1 OUTPUT         | X 2 OUTPUT | X 3 OUTPUT | X 4 OUTPUT |                            | X 1 OUTPUT       | X 3 OUTPUT | X 4 OUTPUT |
| 10                 | 20         | 30         | 40         | 12.28                      | 20.30            | 26.20      | 15.60      |
| 25                 | 50         | 75         | 100        | 12.35                      | 21.40            | 27.00      | 13.60      |
| 50                 | 100        | 150        | 200        | 12.31                      | 22.00            | 27.30      | 14.30      |
| 75                 | 150        | 225        | 300        | 12.35                      | 22.00            | 26.00      | 14.60      |
| 100                | 200        | 300        | 400        | 12.27                      | 21.80            | 25.20      | 14.40      |
| 200                | 400        | 600        | 800        | 12.27                      | 24.80            | 28.30      | 15.00      |
| 400                | 800        | 1200       | 1600       | 13.42                      | 20.00            | 33.40      | 15.20      |
| 600                | 1200       | 1800       | 2400       | 12.09                      | 16.20            | 26.80      | 23.20      |
| 800                | 1600       | 2400       | 3200       | 12.92                      | 15.60            | 28.70      | 24.20      |
| 1000               | 2000       | 3000       | 4000       | 14.71                      | 15.30            | 30.70      | 26.70      |

\*Harmonic Output below power level of X 2 Output .