

Frequency Multiplier (X5)

RMK-5-751+

Typical Performance Data

| FREQUENCY (MHz) | | | | | | | CONVERSION LOSS (dB) | RF IN = +17 dBm | | | | | |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|-----------------|----------------------------|--------------|--------------|--------------|--------------|
| X1 OUTPUT | X2 OUTPUT | X3 OUTPUT | X4 OUTPUT | X5 OUTPUT | X6 OUTPUT | X7 OUTPUT | | X5 OUTPUT | HARMONIC OUTPUT* (-dBc) | | | | |
| X1 OUTPUT | X2 OUTPUT | X3 OUTPUT | X4 OUTPUT | X5 OUTPUT | X6 OUTPUT | X7 OUTPUT | X5 OUTPUT | X1 OUTPUT | X2 OUTPUT | X3 OUTPUT | X4 OUTPUT | X6 OUTPUT | X7 OUTPUT |
| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 21.84 | 6.32 | 70.63 | -0.62 | 62.49 | 74.25 | 7.32 |
| 102 | 204 | 306 | 408 | 510 | 612 | 714 | 21.92 | 5.93 | 70.18 | -0.96 | 62.57 | 71.61 | 7.65 |
| 104 | 208 | 312 | 416 | 520 | 624 | 728 | 21.84 | 5.61 | 70.18 | -1.26 | 62.42 | 70.24 | 7.71 |
| 106 | 212 | 318 | 424 | 530 | 636 | 742 | 21.55 | 5.60 | 70.47 | -1.34 | 62.03 | 70.19 | 7.45 |
| 108 | 216 | 324 | 432 | 540 | 648 | 756 | 21.19 | 5.56 | 71.39 | -1.47 | 61.90 | 70.33 | 7.37 |
| 110 | 220 | 330 | 440 | 550 | 660 | 770 | 21.00 | 5.45 | 72.18 | -1.72 | 61.85 | 70.59 | 6.99 |
| 112 | 224 | 336 | 448 | 560 | 672 | 784 | 20.84 | 5.23 | 73.54 | -2.08 | 61.93 | 71.13 | 6.97 |
| 114 | 228 | 342 | 456 | 570 | 684 | 798 | 20.75 | 5.02 | 74.87 | -2.36 | 62.03 | 71.89 | 7.00 |
| 116 | 232 | 348 | 464 | 580 | 696 | 812 | 20.73 | 4.75 | 76.57 | -2.66 | 62.11 | 72.29 | 6.97 |
| 118 | 236 | 354 | 472 | 590 | 708 | 826 | 20.75 | 4.43 | 78.60 | -2.95 | 62.22 | 72.96 | 6.96 |
| 120 | 240 | 360 | 480 | 600 | 720 | 840 | 20.81 | 4.08 | 81.19 | -3.24 | 62.22 | 73.65 | 7.03 |
| 122 | 244 | 366 | 488 | 610 | 732 | 854 | 20.85 | 3.74 | 84.83 | -3.51 | 62.26 | 74.06 | 7.20 |
| 124 | 248 | 372 | 496 | 620 | 744 | 868 | 20.93 | 3.37 | 90.45 | -3.83 | 62.42 | 74.16 | 7.46 |
| 126 | 252 | 378 | 504 | 630 | 756 | 882 | 21.10 | 2.92 | 91.07 | -4.26 | 62.62 | 73.72 | 7.58 |
| 128 | 256 | 384 | 512 | 640 | 768 | 896 | 21.26 | 2.55 | 86.35 | -4.57 | 62.84 | 73.56 | 7.57 |
| 130 | 260 | 390 | 520 | 650 | 780 | 910 | 21.34 | 2.16 | 81.77 | -4.85 | 63.14 | 73.68 | 7.87 |
| 132 | 264 | 396 | 528 | 660 | 792 | 924 | 21.39 | 1.90 | 79.59 | -4.98 | 63.20 | 73.77 | 7.81 |
| 134 | 268 | 402 | 536 | 670 | 804 | 938 | 21.38 | 1.64 | 77.95 | -5.13 | 63.26 | 73.35 | 7.78 |
| 136 | 272 | 408 | 544 | 680 | 816 | 952 | 21.37 | 1.38 | 76.33 | -5.32 | 63.26 | 72.70 | 7.75 |
| 138 | 276 | 414 | 552 | 690 | 828 | 966 | 21.34 | 1.13 | 74.69 | -5.50 | 63.20 | 72.35 | 7.76 |
| 140 | 280 | 420 | 560 | 700 | 840 | 980 | 21.39 | 0.82 | 73.31 | -5.76 | 62.99 | 71.81 | 7.69 |
| 141 | 282 | 423 | 564 | 705 | 846 | 987 | 21.44 | 0.60 | 72.45 | -5.93 | 62.86 | 71.58 | 7.71 |
| 142 | 284 | 426 | 568 | 710 | 852 | 994 | 21.48 | 0.47 | 71.83 | -6.02 | 62.77 | 71.26 | 7.63 |
| 143 | 286 | 429 | 572 | 715 | 858 | 1001 | 21.51 | 0.26 | 71.06 | -6.15 | 62.84 | 70.96 | 7.68 |
| 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 21.53 | 0.15 | 70.56 | -6.20 | 62.85 | 70.53 | 7.64 |
| 145 | 290 | 435 | 580 | 725 | 870 | 1015 | 21.55 | -0.03 | 69.95 | -6.29 | 62.90 | 70.42 | 7.73 |
| 146 | 292 | 438 | 584 | 730 | 876 | 1022 | 21.53 | -0.11 | 69.43 | -6.29 | 62.96 | 70.06 | 7.76 |
| 147 | 294 | 441 | 588 | 735 | 882 | 1029 | 21.56 | -0.31 | 68.73 | -6.40 | 63.07 | 69.88 | 7.92 |
| 148 | 296 | 444 | 592 | 740 | 888 | 1036 | 21.60 | -0.42 | 68.19 | -6.44 | 63.08 | 69.42 | 7.90 |
| 149 | 298 | 447 | 596 | 745 | 894 | 1043 | 21.66 | -0.61 | 67.52 | -6.57 | 63.11 | 69.02 | 7.93 |
| 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 21.73 | -0.80 | 66.82 | -6.69 | 63.17 | 68.72 | 7.95 |

* Harmonic Output below power level of X5 Output.



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IF/RF MICROWAVE COMPONENTS

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