

4 Way-0° Power Splitter/Combiner

COM-2G42G51K0+

Typical Performance Data

Data tested at $T_{CASE} = 25^{\circ}C$

| FREQ. (MHz) | INSERTION LOSS ¹ (dB) | | | | AMP. UNBAL. ² (dB) | PHASE UNBAL. ³ (deg.) | VSWR:(-1) ⁴ S |
|----------------|-------------------------------------|-------|-------|-------|-------------------------------------|----------------------------------------|-----------------------------|
| | S-1 | S-2 | S-3 | S-4 | | | |
| 2400 | 6.019 | 6.010 | 6.014 | 6.009 | 0.0102 | 0.3992 | 1.0673 |
| 2402 | 6.019 | 6.019 | 6.010 | 6.007 | 0.0130 | 0.3886 | 1.0690 |
| 2404 | 6.016 | 6.015 | 6.010 | 6.010 | 0.0069 | 0.4244 | 1.0708 |
| 2406 | 6.020 | 6.016 | 6.011 | 6.007 | 0.0130 | 0.4094 | 1.0727 |
| 2408 | 6.016 | 6.016 | 6.010 | 6.007 | 0.0093 | 0.3805 | 1.0769 |
| 2410 | 6.019 | 6.016 | 6.011 | 6.009 | 0.0095 | 0.4144 | 1.0780 |
| 2412 | 6.017 | 6.016 | 6.014 | 6.013 | 0.0036 | 0.3810 | 1.0797 |
| 2414 | 6.014 | 6.013 | 6.009 | 6.006 | 0.0082 | 0.4003 | 1.0810 |
| 2416 | 6.019 | 6.017 | 6.014 | 6.012 | 0.0070 | 0.4278 | 1.0831 |
| 2418 | 6.018 | 6.018 | 6.017 | 6.012 | 0.0064 | 0.4009 | 1.0862 |
| 2420 | 6.016 | 6.015 | 6.014 | 6.011 | 0.0051 | 0.4012 | 1.0892 |
| 2422 | 6.018 | 6.017 | 6.015 | 6.013 | 0.0052 | 0.4040 | 1.0894 |
| 2424 | 6.017 | 6.019 | 6.020 | 6.009 | 0.0119 | 0.4238 | 1.0919 |
| 2426 | 6.016 | 6.018 | 6.014 | 6.011 | 0.0072 | 0.4257 | 1.0945 |
| 2428 | 6.021 | 6.020 | 6.014 | 6.010 | 0.0106 | 0.4137 | 1.0960 |
| 2430 | 6.021 | 6.016 | 6.013 | 6.008 | 0.0128 | 0.4247 | 1.0976 |
| 2432 | 6.016 | 6.018 | 6.016 | 6.010 | 0.0084 | 0.4223 | 1.0994 |
| 2434 | 6.012 | 6.016 | 6.013 | 6.010 | 0.0062 | 0.4297 | 1.1018 |
| 2436 | 6.018 | 6.017 | 6.016 | 6.007 | 0.0112 | 0.4420 | 1.1037 |
| 2438 | 6.015 | 6.020 | 6.018 | 6.009 | 0.0106 | 0.4387 | 1.1052 |
| 2440 | 6.012 | 6.016 | 6.016 | 6.011 | 0.0049 | 0.4856 | 1.1084 |
| 2442 | 6.010 | 6.011 | 6.011 | 6.005 | 0.0064 | 0.4317 | 1.1086 |
| 2444 | 6.012 | 6.012 | 6.013 | 6.005 | 0.0082 | 0.4799 | 1.1099 |
| 2446 | 6.013 | 6.017 | 6.016 | 6.013 | 0.0042 | 0.4521 | 1.1120 |
| 2448 | 6.011 | 6.018 | 6.019 | 6.012 | 0.0080 | 0.4413 | 1.1121 |
| 2450 | 6.011 | 6.019 | 6.017 | 6.008 | 0.0117 | 0.4748 | 1.1138 |
| 2452 | 6.008 | 6.016 | 6.015 | 6.007 | 0.0087 | 0.4168 | 1.1156 |
| 2454 | 6.007 | 6.016 | 6.014 | 6.009 | 0.0094 | 0.4710 | 1.1142 |
| 2456 | 6.012 | 6.015 | 6.011 | 6.003 | 0.0115 | 0.4870 | 1.1162 |
| 2458 | 6.010 | 6.012 | 6.015 | 6.008 | 0.0069 | 0.4690 | 1.1179 |
| 2460 | 6.011 | 6.014 | 6.016 | 6.008 | 0.0074 | 0.4651 | 1.1178 |
| 2462 | 6.010 | 6.016 | 6.014 | 6.007 | 0.0091 | 0.4505 | 1.1169 |
| 2464 | 6.005 | 6.013 | 6.012 | 6.005 | 0.0074 | 0.4666 | 1.1167 |
| 2466 | 6.007 | 6.013 | 6.014 | 6.004 | 0.0100 | 0.4528 | 1.1180 |
| 2468 | 6.005 | 6.014 | 6.014 | 6.002 | 0.0116 | 0.4844 | 1.1173 |
| 2470 | 6.006 | 6.014 | 6.009 | 6.004 | 0.0095 | 0.4447 | 1.1160 |
| 2472 | 6.009 | 6.018 | 6.013 | 6.005 | 0.0127 | 0.4571 | 1.1174 |
| 2474 | 6.006 | 6.014 | 6.015 | 6.008 | 0.0087 | 0.4673 | 1.1162 |
| 2476 | 6.007 | 6.014 | 6.010 | 6.004 | 0.0105 | 0.5082 | 1.1163 |
| 2478 | 6.006 | 6.012 | 6.012 | 6.001 | 0.0107 | 0.4832 | 1.1150 |
| 2480 | 6.004 | 6.011 | 6.012 | 6.006 | 0.0080 | 0.4577 | 1.1138 |
| 2482 | 6.002 | 6.010 | 6.015 | 6.005 | 0.0127 | 0.4901 | 1.1122 |
| 2484 | 6.002 | 6.011 | 6.012 | 6.001 | 0.0106 | 0.4957 | 1.1125 |
| 2486 | 6.002 | 6.009 | 6.011 | 6.004 | 0.0093 | 0.4869 | 1.1101 |
| 2488 | 6.002 | 6.006 | 6.007 | 6.004 | 0.0091 | 0.5030 | 1.1092 |
| 2490 | 6.002 | 6.011 | 6.011 | 6.005 | 0.0086 | 0.5171 | 1.1083 |
| 2492 | 6.005 | 6.013 | 6.017 | 6.006 | 0.0122 | 0.4715 | 1.1069 |
| 2494 | 6.003 | 6.013 | 6.012 | 6.005 | 0.0094 | 0.5178 | 1.1046 |
| 2496 | 6.003 | 6.011 | 6.009 | 6.000 | 0.0104 | 0.4762 | 1.1037 |
| 2498 | 6.000 | 6.007 | 6.012 | 6.000 | 0.0125 | 0.5017 | 1.1024 |
| 2500 | 6.002 | 6.009 | 6.014 | 6.004 | 0.0118 | 0.4975 | 1.1007 |

1. Insertion loss includes theoretical loss of 6dB

2. Amplitude imbalance is average unbalance between any ports

3. Phase imbalance is average unbalance between S ports

4. VSWR is typical representation of S ports

