

LTCC Balun

RF Transformer

BLJC4-252R+

Typical Performance Data

| FREQUENCY (MHz) | AVERAGE INSERTION LOSS (dB) | INPUT RETURN LOSS (dB) | AMPLITUDE UNBALANCE (dB) | PHASE UNBALANCE ⁽¹⁾ (deg.) |
|--------------------|-----------------------------------|------------------------------|--------------------------------|---|
| 2400 | 0.97 | 20.36 | 0.09 | 1.02 |
| 2402 | 0.96 | 20.50 | 0.10 | 1.00 |
| 2405 | 0.96 | 20.74 | 0.10 | 0.98 |
| 2407 | 0.96 | 20.87 | 0.11 | 0.95 |
| 2410 | 0.95 | 21.08 | 0.12 | 0.94 |
| 2413 | 0.95 | 21.30 | 0.13 | 0.92 |
| 2415 | 0.94 | 21.44 | 0.13 | 0.89 |
| 2418 | 0.94 | 21.62 | 0.15 | 0.89 |
| 2421 | 0.94 | 21.84 | 0.15 | 0.86 |
| 2423 | 0.93 | 21.97 | 0.16 | 0.84 |
| 2426 | 0.93 | 22.15 | 0.17 | 0.81 |
| 2428 | 0.93 | 22.27 | 0.17 | 0.80 |
| 2431 | 0.92 | 22.46 | 0.18 | 0.71 |
| 2434 | 0.92 | 22.62 | 0.19 | 0.69 |
| 2436 | 0.92 | 22.72 | 0.20 | 0.69 |
| 2439 | 0.92 | 22.87 | 0.21 | 0.67 |
| 2442 | 0.91 | 23.03 | 0.22 | 0.63 |
| 2444 | 0.91 | 23.10 | 0.22 | 0.62 |
| 2447 | 0.90 | 23.22 | 0.23 | 0.56 |
| 2450 | 0.90 | 23.32 | 0.24 | 0.52 |
| 2452 | 0.90 | 23.35 | 0.25 | 0.50 |
| 2455 | 0.90 | 23.42 | 0.26 | 0.49 |
| 2457 | 0.89 | 23.44 | 0.27 | 0.49 |
| 2460 | 0.89 | 23.46 | 0.27 | 0.46 |
| 2463 | 0.89 | 23.48 | 0.28 | 0.41 |
| 2465 | 0.89 | 23.47 | 0.29 | 0.36 |
| 2468 | 0.88 | 23.42 | 0.30 | 0.33 |
| 2471 | 0.88 | 23.36 | 0.31 | 0.34 |
| 2473 | 0.88 | 23.30 | 0.31 | 0.28 |
| 2476 | 0.88 | 23.22 | 0.32 | 0.25 |
| 2478 | 0.88 | 23.13 | 0.32 | 0.25 |
| 2481 | 0.87 | 23.00 | 0.33 | 0.20 |
| 2484 | 0.87 | 22.87 | 0.34 | 0.14 |
| 2486 | 0.87 | 22.75 | 0.34 | 0.12 |
| 2489 | 0.87 | 22.61 | 0.35 | 0.06 |
| 2492 | 0.87 | 22.44 | 0.36 | 0.01 |
| 2494 | 0.87 | 22.31 | 0.36 | 0.03 |
| 2497 | 0.87 | 22.15 | 0.38 | 0.07 |
| 2500 | 0.87 | 21.97 | 0.38 | 0.12 |

⁽¹⁾ Relative to 180°