

High Power for the TB200
(LB401, 20-1000MHz, Vds = 28Vdc, Idq = 1A)

Freq (MHz)	RF in (W)	RF out (W)	Idamps (A)
20	2.7	45	6.1
30	2.7	45	5.84
40	2.6	45	5.79
50	2.6	45	5.73
60	2.6	45	5.7
70	2.5	45	5.66
80	2.4	45	5.58
90	2.3	45	5.52
100	2.2	45	5.42
150	1.3	45	4.44
200	1.2	45	4.34
250	1.2	45	4.3
300	1.3	45	4.41
350	1.6	45	4.89
400	1.6	45	4.99
450	2	45	5.35
500	2.7	45	5.9
550	3	45	5.9
600	3.7	45	6.24
650	4	45	6.46
700	3.7	45	6.22
750	4.2	45	6.42
800	4.5	45	6.57
850	3.8	45	6.04
900	4.1	45	6.08
950	4.2	45	5.82
1000	3.8	45	5.05

TB200 Parts List

T1	1:1 Balun UT34-50 1.75" 2-turn through BN-61-2402
T2	4:1 Coaxial Transformer UT85-15 1.75" Two FT-37-611 per side
T3	4:1 Coaxial Transformer UT90-25 1.75" Half-cut BN-61-202, 1-turn through half cut per side
T4	1:1 Balun UT85-50 2.25" 1-turn through BN-61-202
G-to-S	R-C series shunt. 15 Ohm, 10,000 pF
D-to-G	R-C series 10,000pF, 100 Ohm
Block Caps	100,000pF
D-to-D Choke	20-Gauge magnet wire, 11-turn around FT-50-43, center tapped
Aircoil	20-Gauge aircoil, ID: 0.125"