

EFA480B

DATA SHEET

Low Distortion GaAs Power FET

S-PARAMETERS

8V, 1/2 Idss

FREQ (GHz)	--- S11 ---		--- S21 ---		--- S12 ---		--- S22 ---	
	MAG	ANG	MAG	ANG	MAG	ANG	MAG	ANG
0.500	0.944	-115.5	11.585	117.1	0.019	33.5	0.384	-159.9
1.000	0.929	-145.4	6.478	98.5	0.021	21.3	0.425	-165.4
1.500	0.926	-157.1	4.413	88.9	0.021	18.2	0.440	-166.5
2.000	0.925	-163.3	3.326	81.9	0.021	17.7	0.453	-166.2
2.500	0.925	-167.2	2.659	76.0	0.021	18.5	0.465	-165.6
3.000	0.925	-169.9	2.208	70.8	0.021	20.0	0.479	-164.8
3.500	0.925	-171.9	1.883	65.9	0.021	22.0	0.494	-164.1
4.000	0.926	-173.6	1.636	61.3	0.021	24.4	0.510	-163.6
4.500	0.927	-174.9	1.443	57.0	0.022	27.0	0.526	-163.2
5.000	0.928	-176.1	1.287	52.7	0.022	29.8	0.543	-162.9
5.500	0.928	-177.1	1.158	48.6	0.022	32.8	0.561	-162.9
6.000	0.929	-178.0	1.050	44.7	0.022	35.9	0.579	-162.9
6.500	0.930	-178.9	0.958	40.8	0.023	39.0	0.596	-163.1
7.000	0.931	-179.7	0.878	37.1	0.023	42.0	0.613	-163.5
7.500	0.932	-179.6	0.809	33.5	0.024	45.0	0.630	-163.9
8.000	0.933	-178.9	0.747	30.0	0.025	47.8	0.647	-164.5
8.500	0.934	-178.3	0.693	26.6	0.026	50.4	0.663	-165.1
9.000	0.935	-177.6	0.644	23.4	0.027	52.9	0.679	-165.7
9.500	0.936	-177.0	0.600	20.2	0.028	55.1	0.694	-166.5
10.000	0.937	-176.4	0.561	17.1	0.030	57.1	0.708	-167.3

Note: The data included 0.7 mils diameter Au bonding wires:
4 gate wires, 20 mils each; 4 drain wires, 12 mils each; 10 source wires, 7 mils each.