

Dual Transistors

TO-78 Case



$P_D @ T_A=25^{\circ}C=600mW$ Total (Both Die Equal Power)

| TYPE NO. | DESCRIPTION | I_C (mA) | V_{CBO} (V) | V_{CEO} (V) | h_{FE} | | I_C (mA) | V_{CE} (V) | $V_{CE(SAT)}$ (V) | I_C (mA) | f_T (MHz) | MATCHING | |
|----------|-----------------|---------------|------------------|------------------|----------|-----|---------------|-----------------|----------------------|---------------|----------------|---------------|------------------|
| | | | | | MIN | MAX | | | | | | h_{FE} % | V_{BE} (mV) |
| | | | | | | | | | | | | | |
| 2N2060 | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 150 | 10 | 5.0 | 1.2 | 50 | 60 | 10 | 5.0 |
| 2N2060A | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 150 | 10 | 5.0 | 0.6 | 50 | 60 | 10 | 3.0 |
| 2N2223 | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 200 | 10 | 5.0 | 1.2 | 50 | 50 | 20 | 15 |
| 2N2223A | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 200 | 10 | 5.0 | 1.2 | 50 | 50 | 10 | 5.0 |
| 2N2453 | NPN LOW NOISE | 50 | 60 | 30 | 150 | 600 | 1.0 | 5.0 | 1.0 | 5.0 | 60 | 10 | 3.0 |
| 2N2453A | NPN LOW NOISE | 50 | 80 | 50 | 150 | 600 | 1.0 | 5.0 | 1.0 | 5.0 | 60 | 10 | 3.0 |
| 2N2480 | NPN AMPL/SWITCH | 500 | 75 | 35 | 30 | 350 | 1.0 | 5.0 | 1.3 | 50 | 50 | 20 | 10 |
| 2N2480A | NPN AMPL/SWITCH | 500 | 80 | 40 | 50 | 200 | 1.0 | 5.0 | 1.2 | 50 | 50 | 20 | 5.0 |
| 2N2639 | NPN LOW NOISE | 30 | 45 | 45 | 50 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | 10 | 5.0 |
| 2N2640 | NPN LOW NOISE | 30 | 45 | 45 | 50 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | 20 | 10 |
| 2N2641 | NPN LOW NOISE | 30 | 45 | 45 | 50 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | -- | -- |
| 2N2642 | NPN LOW NOISE | 30 | 45 | 45 | 100 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | 10 | 5.0 |
| 2N2643 | NPN LOW NOISE | 30 | 45 | 45 | 100 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | 20 | 10 |
| 2N2644 | NPN LOW NOISE | 30 | 45 | 45 | 100 | 300 | 0.01 | 5.0 | 1.0 | 10 | 40 | -- | -- |
| 2N2652 | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 200 | 1.0 | 5.0 | 1.2 | 50 | 60 | 15 | 3.0 |
| 2N2652A | NPN AMPL/SWITCH | 500 | 100 | 60 | 50 | 200 | 1.0 | 5.0 | 1.2 | 50 | 60 | 10 | 3.0 |
| 2N2722 | NPN LOW NOISE | 40 | 45 | 45 | 50 | 250 | 0.001 | 5.0 | 1.0 | 10 | 100 | 10 | 5.0 |
| 2N2903 | NPN LOW NOISE | 50 | 60 | 30 | 125 | 625 | 1.0 | 5.0 | 1.0 | 5.0 | 60 | 20 | 10 |
| 2N2903A | NPN LOW NOISE | 50 | 60 | 30 | 125 | 625 | 1.0 | 5.0 | 1.0 | 5.0 | 60 | 10 | 5.0 |
| 2N2913 | NPN LOW NOISE | 30 | 45 | 45 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | -- | -- |
| 2N2914 | NPN LOW NOISE | 30 | 45 | 45 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | -- | -- |
| 2N2915 | NPN LOW NOISE | 30 | 45 | 45 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 3.0 |
| 2N2915A | NPN LOW NOISE | 30 | 45 | 45 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 1.5 |
| 2N2916 | NPN LOW NOISE | 30 | 45 | 45 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 3.0 |
| 2N2916A | NPN LOW NOISE | 30 | 45 | 45 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 1.5 |
| 2N2917 | NPN LOW NOISE | 30 | 45 | 45 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 20 | 5.0 |
| 2N2918 | NPN LOW NOISE | 30 | 45 | 45 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 20 | 5.0 |
| 2N2919 | NPN LOW NOISE | 30 | 60 | 60 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 3.0 |
| 2N2919A | NPN LOW NOISE | 30 | 60 | 60 | 60 | 240 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 1.5 |
| 2N2920 | NPN LOW NOISE | 30 | 60 | 60 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 3.0 |
| 2N2920A | NPN LOW NOISE | 30 | 60 | 60 | 150 | 600 | 0.01 | 5.0 | 0.35 | 1.0 | 60 | 10 | 1.5 |
| 2N3726 | PNP LOW NOISE | 300 | 45 | 45 | 135 | 350 | 1.0 | 5.0 | 0.25 | 50 | 200 | 10 | 5.0 |
| 2N3727 | PNP LOW NOISE | 300 | 45 | 45 | 135 | 350 | 1.0 | 5.0 | 0.25 | 50 | 200 | 10 | 2.5 |
| 2N3806 | PNP LOW NOISE | 50 | 60 | 60 | 150 | 450 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | -- | -- |
| 2N3807 | PNP LOW NOISE | 50 | 60 | 60 | 300 | 900 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | -- | -- |
| 2N3808 | PNP LOW NOISE | 50 | 60 | 60 | 150 | 450 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 20 | 5.0 |
| 2N3809 | PNP LOW NOISE | 50 | 60 | 60 | 300 | 900 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 20 | 5.0 |
| 2N3810 | PNP LOW NOISE | 50 | 60 | 60 | 150 | 450 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 10 | 3.0 |
| 2N3810A | PNP LOW NOISE | 50 | 60 | 60 | 150 | 450 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 5.0 | 1.5 |
| 2N3811 | PNP LOW NOISE | 50 | 60 | 60 | 300 | 900 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 10 | 3.0 |
| 2N3811A | PNP LOW NOISE | 50 | 60 | 60 | 300 | 900 | 1.0 | 5.0 | 0.2 | 0.1 | 100 | 5.0 | 1.5 |
| 2N4015 | PNP AMPL/SWITCH | 300 | 60 | 60 | 135 | 350 | 1.0 | 5.0 | 0.25 | 50 | 200 | 10 | 5.0 |
| 2N4016 | PNP AMPL/SWITCH | 300 | 60 | 60 | 135 | 350 | 1.0 | 5.0 | 0.25 | 50 | 200 | 10 | 2.5 |
| 2N5794 | NPN AMPL/SWITCH | 600 | 75 | 40 | 100 | 300 | 150 | 10 | 0.3 | 150 | 250 | -- | -- |
| 2N5796 | PNP AMPL/SWITCH | 600 | 60 | 60 | 100 | 300 | 150 | 10 | 0.4 | 150 | 200 | -- | -- |
| MD708 | NPN SAT SWITCH | 200 | 40 | 15 | 40 | 200 | 10 | 1.0 | 0.5 | 100 | 300 | -- | -- |
| MD708A | NPN SAT SWITCH | 200 | 40 | 15 | 40 | 200 | 10 | 1.0 | 0.5 | 100 | 300 | 10 | 5.0 |
| MD708B | NPN SAT SWITCH | 200 | 40 | 15 | 40 | 200 | 10 | 1.0 | 0.5 | 100 | 300 | 20 | 10 |

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