

SILICON TRANSISTORS

T-29-01

3131 S.E. Jay Street  
Stuart, Florida 34997  
(407) 283-4500 • TWX - 510-953-7511  
FAX 407-286-8914

MEDIUM AND HIGH POWER

| STI Type | Polarity | Power<br>Dissipation<br>@ 25 °C<br>(watts) | T <sub>J</sub><br>(°C) | V <sub>CEV</sub><br>(volts) | V <sub>CEO</sub><br>(volts) | h <sub>FE</sub> @ I <sub>C</sub> |        |     | V <sub>CE</sub> (SAT.) @ I <sub>C</sub> |     | f <sub>T</sub><br>(MHz) | CASE<br>STYLE |
|----------|----------|--------------------------------------------|------------------------|-----------------------------|-----------------------------|----------------------------------|--------|-----|-----------------------------------------|-----|-------------------------|---------------|
|          |          |                                            |                        |                             |                             | (Min.)                           | (Max.) | A   | (volts)                                 | A   |                         |               |
| MM3736   | NPN      | 2.0                                        | 200                    | 50                          | 30                          | 30                               | 120    | 1.0 | .90                                     | 1.0 | 200                     | TO-46         |
| MM3737   | NPN      | 2.0                                        | 200                    | 75                          | 50                          | 20                               | 80     | 1.0 | .90                                     | 1.0 | 200                     | TO-46         |
| MM4030   | PNP      | 7.0                                        | 200                    | 60                          | 60                          | 40                               | 120    | .10 | .50                                     | .50 | 100                     | TO-39         |
| MM4031   | PNP      | 7.0                                        | 200                    | 80                          | 80                          | 40                               | 120    | .10 | .50                                     | .50 | 100                     | TO-39         |
| MM4032   | PNP      | 7.0                                        | 200                    | 60                          | 60                          | 100                              | 300    | .10 | .50                                     | .50 | 100                     | TO-39         |
| MM4033   | PNP      | 7.0                                        | 200                    | 80                          | 80                          | 100                              | 300    | .10 | .50                                     | .50 | 100                     | TO-39         |
| MM4036   | PNP      | 7.0                                        | 200                    | 90                          | 65                          | 40                               | 120    | .15 | .65                                     | .15 | 60                      | TO-39         |
| MM5189   | NPN      | 4.0                                        | 200                    | 60                          | 40                          | 20                               | —      | 1.0 | 1.0                                     | 1.0 | 350                     | TO-39         |
| MM5262   | NPN      | 4.0                                        | 200                    | 75                          | 50                          | 25                               | —      | 1.0 | .80                                     | 1.0 | 350                     | TO-39         |
| SVT60-5  | NPN      | 11                                         | 200                    | 60                          | 60                          | 40                               | —      | 1.0 | 1.0                                     | 1.0 | 50                      | TO-39         |
| SVT80-5  | NPN      | 11                                         | 200                    | 80                          | 80                          | 40                               | —      | 1.0 | 1.0                                     | 1.0 | 50                      | TO-39         |
| TIP-501  | NPN      | 6.0                                        | 200                    | 40                          | 40                          | 25                               | 180    | 1.0 | 1.5                                     | 3.0 | 60                      | TO-39         |
| TIP-502  | NPN      | 6.0                                        | 200                    | 60                          | 60                          | 25                               | 180    | 1.0 | 1.5                                     | 3.0 | 60                      | TO-39         |
| TIP-544  | PNP      | 150                                        | 200                    | 100                         | 100***                      | 25                               | —      | 3.0 | 1.0                                     | 3.0 | 1.0                     | TO-3          |
| TIP-545  | PNP      | 150                                        | 200                    | 120                         | 120***                      | 20                               | —      | 3.0 | 1.0                                     | 3.0 | 1.0                     | TO-3          |
| TIP-546  | PNP      | 150                                        | 200                    | 140                         | 140***                      | 15                               | —      | 3.0 | 1.0                                     | 3.0 | 1.0                     | TO-3          |

\*\*\*V<sub>CE</sub>R