

# Section 2: Bipolar Transistors

Low Saturation Transistors up to 100V

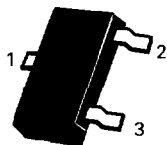
SOT23 Low Saturation PNP Transistors up to 100V

Pinout Details: 1-Collector, 2-Emitter, 3-Base

| Type     | V <sub>CBO</sub><br>V | V <sub>CEO</sub><br>V | I <sub>c</sub><br>mA | h <sub>FE</sub> |        |                         |                         | V <sub>CE(sat)</sub> |                         |                         | f <sub>T</sub><br>Min<br>MHz | P <sub>D</sub><br>mW |
|----------|-----------------------|-----------------------|----------------------|-----------------|--------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|------------------------------|----------------------|
|          |                       |                       |                      | Min             | Max    | at I <sub>c</sub><br>mA | at V <sub>CE</sub><br>V | Max<br>V             | at I <sub>c</sub><br>mA | at I <sub>B</sub><br>mA |                              |                      |
| FMMT723  | -100                  | -100                  | -1000                | 300<br>250      | —<br>— | -100<br>-500            | -10<br>-10              | -0.20<br>-0.33       | -500<br>-1000           | -50<br>-150             | 150                          | 625                  |
| FMMT591  | -80                   | -60                   | -1000                | 100             | 300    | -500                    | -5                      | -0.30                | -500                    | -50                     | 150                          | 500                  |
| FMMT551  | -80                   | -60                   | -1000                | 50              | 150    | -150                    | -10                     | -0.35                | -150                    | -15                     | 150                          | 500                  |
| FMMT722  | -70                   | -70                   | -1500                | 175<br>40       | —<br>— | -1000<br>-1500          | -5<br>-5                | -0.22<br>-0.26       | -1000<br>-1500          | -100<br>-200            | 150                          | 625                  |
| FMMT589  | -50                   | -30                   | -1000                | 80              | —      | -1000                   | -2                      | -0.35                | -1000                   | -100                    | 100                          | 500                  |
| FMMT720  | -40                   | -40                   | -1500                | 180<br>60       | —<br>— | -1000<br>-1500          | -2<br>-2                | -0.22<br>-0.33       | -1000<br>-1500          | -50<br>-100             | 150                          | 625                  |
| FMMT591A | -40                   | -40                   | -1000                | 300             | 800    | -100                    | -5                      | -0.35                | -500                    | -20                     | 150                          | 500                  |
| FMMT549  | -35                   | -30                   | -1000                | 100             | 300    | -500                    | -2                      | -0.50                | -1000                   | -100                    | 100                          | 500                  |
| FMMT549A | -35                   | -30                   | -1000                | 150             | 500    | -500                    | -2                      | -0.30                | -100                    | -1                      | 100                          | 500                  |
| FMMT718  | -20                   | -20                   | -1500                | 150<br>35       | —<br>— | -2000<br>-4000          | -2<br>-2                | -0.20<br>-0.22       | -1000<br>-1500          | -20<br>-50              | 150                          | 625                  |
| FMMTL718 | -20                   | -20                   | -1000                | 200<br>120      | —<br>— | -500<br>-1000           | -2<br>-2                | -0.18<br>-0.32       | -500<br>-1000           | -20<br>-50              | 265 †                        | 500                  |
| FMMT717  | -12                   | -12                   | -2500                | 180<br>60       | —<br>— | -2500<br>-8000          | -2<br>-2                | -0.17<br>-0.22       | -1500<br>-2500          | -50<br>-50              | 80                           | 625                  |
| FMMTL717 | -12                   | -12                   | -1250                | 275<br>180      | —<br>— | -1000<br>-2000          | -2<br>-2                | -0.14<br>-0.29       | -500<br>-1250           | -20<br>-50              | 205 †                        | 500                  |

† Typical f<sub>T</sub>

SOT23



Tape and Reel Information - see section 12 ➤ Thermal Data - see section 13 ➤