

# CENTRE COLLECTOR E-LINE

**TABLE 1: MEDIUM POWER**

| Type   | $V_{CBO}$ | $V_{CEO}$ | Max. Cont.<br>$I_C$<br>mA | Max. $V_{CE(sat)}$ at |             |             | $h_{FE}$ at |      |             | Min. $f_T$ at |             | $P_{tot}$<br>$T_{amb} = 25^{\circ}C$<br>mW | Comple-<br>ment |
|--------|-----------|-----------|---------------------------|-----------------------|-------------|-------------|-------------|------|-------------|---------------|-------------|--------------------------------------------|-----------------|
|        | V         | V         |                           | V                     | $I_C$<br>mA | $I_B$<br>mA | Min.        | Max. | $I_C$<br>mA | MHz           | $I_C$<br>mA |                                            |                 |
| NPN    |           |           |                           |                       |             |             |             |      |             |               |             |                                            |                 |
| FXT455 | 160       | 140       | 1000                      | 0.7                   | 150         | 15          | 100         | 300  | 150         | 100           | 50          | 1000                                       | FXT555          |
| FXT453 | 120       | 100       | 1000                      | 0.7                   | 150         | 15          | 40          | 200  | 150         | 150           | 50          | 1000                                       | FXT553          |
| FXT56  | 100       | 80        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT53           |
| FXT451 | 80        | 60        | 1000                      | 0.35                  | 150         | 15          | 50          | 150  | 150         | 150           | 50          | 1000                                       | FXT551          |
| FXT55  | 60        | 60        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT52           |
| FXT450 | 60        | 45        | 1000                      | 0.25                  | 150         | 15          | 100         | 300  | 150         | 150           | 50          | 1000                                       | FXT550          |
| FXT54  | 45        | 45        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT51           |
| FXT449 | 50        | 30        | 1000                      | 0.5                   | 1000        | 100         | 100         | 300  | 500         | 150           | 50          | 1000                                       | FXT549          |
| FXT68  | 25        | 20        | 1000                      | 0.5                   | 1000        | 100         | 85          | 375  | 500         | 150           | 50          | 1000                                       | FXT69           |
| PNP    |           |           |                           |                       |             |             |             |      |             |               |             |                                            |                 |
| FXT557 | 300       | 300       | 500                       | 0.3                   | 50          | 5           | 50          | 300  | 50          | 75            | 50          | 1000                                       | —               |
| FXT555 | 160       | 150       | 1000                      | 0.3                   | 100         | 10          | 50          | 300  | 300         | 100           | 50          | 1000                                       | FXT455          |
| FXT553 | 120       | 100       | 1000                      | 0.25                  | 150         | 15          | 40          | 200  | 150         | 150           | 50          | 1000                                       | FXT453          |
| FXT53  | 100       | 80        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT56           |
| FXT551 | 80        | 60        | 1000                      | 0.35                  | 150         | 15          | 50          | 150  | 150         | 150           | 50          | 1000                                       | FXT451          |
| FXT52  | 60        | 60        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT55           |
| FXT550 | 60        | 45        | 1000                      | 0.25                  | 150         | 15          | 100         | 300  | 150         | 150           | 50          | 1000                                       | FXT450          |
| FXT51  | 45        | 45        | 1000                      | 0.5                   | 500         | 50          | 40          | 250  | 150         | 150           | 50          | 1000                                       | FXT54           |
| FXT549 | 35        | 30        | 1000                      | 0.5                   | 1000        | 100         | 100         | 300  | 500         | 100           | 100         | 1000                                       | FXT449          |
| FXT69  | 25        | 20        | 1000                      | 0.5                   | 1000        | 100         | 85          | 375  | 500         | 150           | 50          | 1000                                       | FXT68           |

**TABLE 2: SUPER E-LINE**

| Type   | V <sub>CBO</sub> | V <sub>CEO</sub> | Max. Cont. I <sub>C</sub> | Max. I <sub>CM</sub> | Max. V <sub>CE(sat)</sub> at |                      |                      | h <sub>FE</sub> |      |                         | Min. f <sub>T</sub> at |                      | P <sub>tot</sub><br>T <sub>amb</sub> = 25°C<br>mW | Comple-<br>ment |
|--------|------------------|------------------|---------------------------|----------------------|------------------------------|----------------------|----------------------|-----------------|------|-------------------------|------------------------|----------------------|---------------------------------------------------|-----------------|
|        | V                | V                | mA                        | A                    | V                            | I <sub>C</sub><br>mA | I <sub>B</sub><br>mA | Min.            | Max. | at I <sub>C</sub><br>mA | MHz                    | I <sub>C</sub><br>mA |                                                   |                 |
| NPN    |                  |                  |                           |                      |                              |                      |                      |                 |      |                         |                        |                      |                                                   |                 |
| FXT657 | 300              | 300              | 500                       | 1                    | 0.5                          | 100                  | 10                   | 50              | —    | 100                     | 30                     | 10                   | 1000                                              | FXT757          |
| FXT655 | 150              | 150              | 1000                      | 2                    | 0.5                          | 1000                 | 200                  | 50              | —    | 500                     | 30                     | 10                   | 1000                                              | FXT755          |
| FXT653 | 120              | 100              | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 500                     | 140                    | 100                  | 1000                                              | FXT753          |
| FXT651 | 80               | 60               | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 500                     | 140                    | 100                  | 1000                                              | FXT751          |
| FXT649 | 35               | 25               | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 1000                    | 150                    | 100                  | 1000                                              | FXT749          |
| PNP    |                  |                  |                           |                      |                              |                      |                      |                 |      |                         |                        |                      |                                                   |                 |
| FXT757 | 300              | 300              | 500                       | 1                    | 0.5                          | 100                  | 10                   | 50              | —    | 100                     | 30                     | 10                   | 1000                                              | FXT657          |
| FXT755 | 150              | 150              | 1000                      | 2                    | 0.5                          | 1000                 | 200                  | 50              | —    | 500                     | 30                     | 10                   | 1000                                              | FXT655          |
| FXT753 | 120              | 100              | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 500                     | 100                    | 100                  | 1000                                              | FXT653          |
| FXT751 | 80               | 60               | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 500                     | 100                    | 100                  | 1000                                              | FXT651          |
| FXT749 | 35               | 25               | 2000                      | 6                    | 0.3                          | 1000                 | 100                  | 100             | 300  | 1000                    | 100                    | 100                  | 1000                                              | FXT649          |