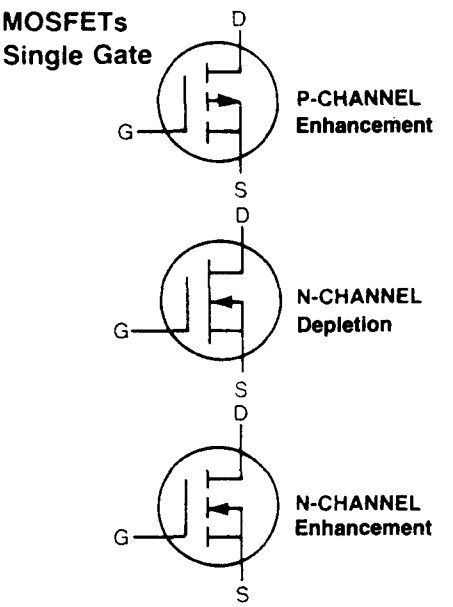


# MOSFETs

MOSFETs are available in either depletion/enhancement or enhancement mode (in general, depletion/enhancement devices are operated in the depletion mode and are referred to as depletion devices). They are available in both N- and P-channel, and both single gate and dual gate construction. Some MOSFETs are also offered with input diode protection which reduces the chance of damage from static charge in handling.

## TABLE 2. Low-Frequency/Low-Noise (continued)

**P-Channel MOSFETs**

| Package TO— | Device | $\|Y_{fs}\|$ (mmho) MIN | $\|Y_{fs}\|$ (μmho) MAX | $C_{iss}$ (pF) (MAX) | $C_{rss}$ (pF) MAX | $V_{(BR)DDS}$ (V) MIN | $V_{GS(TH)}$ (V) MIN | $V_{GS(TH)}$ (V) MAX | $I_{DSS}$ (mA) MIN | $I_{DSS}$ (mA) MAX |
|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 3N155A | 1.0 | 60 | 5.0 | 1.3 | —35 | —1.5 | —3.2 | — | —0.25 |
| 18 | MFE823 | 1.0 | — | 6.0 | 1.5 | —50 | —3.0 | —5.0 | — | —0.25 |
| 72 | MFE3003 | — | — | 5.0 | 1.0 | —15 | — | —4.0 | — | 10 |

**N-Channel MOSFETs**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 2N3796 | 0.4 | 1.8 | 7.0 | 0.8 | 25 | — | —7.0 | 2.0 | 6.0 |
| 18 | MFE825 | 0.5 | — | 4.0 | 0.7 | 20 | — | — | 1.0 | 25 |
| 72 | 2N4351 | 1.0 | — | 5.0 | 1.3 | 25 | 1.0 | 5.0 | — | 10 |
| 72 | 3N169 | 1.0 | — | 5.0 | 1.3 | 25 | 0.5 | 1.5 | — | 10 |
| 72 | 3N170 | 1.0 | — | 5.0 | 1.3 | 25 | 1.0 | 2.0 | — | 10 |
| 72 | 3N171 | 1.0 | — | 5.0 | 1.3 | 25 | 1.5 | 3.0 | — | 10 |
| 72 | MFE3002 | — | — | 5.0 | 1.0 | 15 | — | 3.0 | — | 10 |
| 18 | 2N3797 | 1.5 | — | 8.0 | 0.8 | 25 | — | —7.0 | 2.0 | 6.0 |

## TABLE 3.

**N-Channel JFETs**

| Package TO- | Device | $\|Y_{fs}\|$ (mmho) MIN | @ f (MHz) | $\|Y_{os}\|$ (μmho) MAX | @ f (MHz) | $C_{iss}$ (pF) (MAX) | $C_{rss}$ (pF) MAX | NF (dB) MAX | @ RG = 1K f (MHz) | $V_{(BR)DSS}$ $V_{(BR)GDO}$ (V) MIN | $V_{GS(off)}$ (V) MIN | $V_{GS(off)}$ (V) MAX | $I_{DSS}$ (mA) MIN | $I_{DSS}$ (mA) MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | 2N5484 | 2.5 | 100 | 75 | 100 | 5.0 | 1.0 | 3.0 | 100 | 25 | 0.3 | 3.0 | 1.0 | 5.0 |
| 92 | 2N5485 | 3.0 | 400 | 100 | 400 | 5.0 | 1.0 | 4.0 | 400 | 25 | 1.0 | 4.0 | 4.0 | 10 |
| 92 | J305 | 3.0t | 400 | 80t | 100 | 3.0t | 0.8t | 4.0t | 400 | 30 | 0.5 | 3.0 | 1.0 | 8.0 |
| 72 | 2N3823 | 3.2 | 200 | 200 | 200 | 6.0 | 2.0 | 2.5 | 100 | 30 | — | 8.0 | 4.0 | 20 |
| 92 | 2N5486 | 3.5 | 400 | 100 | 400 | 5.0 | 1.0 | 4.0 | 400 | 25 | 2.0 | 6.0 | 8.0 | 20 |
| 72 | 2N4416 | 4.0 | 400 | 100 | 400 | 4.0 | 0.8 | 4.0 | 400 | 30 | 2.0 | 6.0 | 5.0 | 15 |
| 72 | 2N4416A | 4.0 | 400 | 100 | 400 | 4.0 | 0.8 | 4.0 | 400 | 30 | 2.0 | 6.0 | 5.0 | 15 |
| 92 | 2N5245 | 4.0 | 400 | 100 | 400 | 4.5 | 1.0 | 4.0 | 400 | 30 | 1.0 | 6.0 | 5.0 | 15 |
| 92 | J304 | 4.2t | 400 | 80t | 100 | 3.0t | 0.8t | 4.0t | 400 | 30 | 2.0 | 6.0 | 5.0 | 15 |
| 52 | U310 | 10 | 0.001 | 150 | 100 | 5.0 | 2.5 | 3t | 450 | 25 | 2.5 | 6.0 | 24 | 60 |
| 92 | J308 | 12t | 100 | 250t | 100 | 7.5 | 2.5 | 1.5t | 100 | 25 | 1.0 | 6.5 | 12 | 60 |
| 92 | J309 | 12t | 100 | 250t | 100 | 7.5 | 2.5 | 1.5t | 100 | 25 | 1.0 | 4.0 | 12 | 30 |
| 92 | J310 | 12t | 100 | 250t | 100 | 7.5 | 2.5 | 1.5t | 100 | 25 | 2.0 | 6.5 | 24 | 60 |
| 72 | 3N128* | 5.0 | 0.001 | 500 | 200 | 7.0 | 0.28 | 5.0 | 200 | —50 | —0.5 | —8.0 | 5.0 | 25 |

t = typical

*N-Channel MOSFET