



GENERAL PURPOSE AMPS

N-Channel JFETs

| Type No. | Case Style | BV _{GSS} *BV _{GDO} (V) @ I _G (μA) | | I _{GSS} (nA) @ V _{DG} (V) | | V _p (V) @ V _{DS} (V) I _D (nA) | | | I _{DSS} (mA) @ V _{DS} (V) | | | G _{fs} (mmho) @ V _{DS} (V) | | | G _{oss} (μmho) @ V _{DS} (V) | | C _{iss} (pF) @ V _{DS} (V) V _{GS} (V) | | C _{rss} (pF) @ V _{DS} (V) V _{GS} (V) | | e _n (NV/√Hz) @ Freq (Hz) | | Process No. | Pkg. No. | | | |
|----------|------------|--|-----|---|-----|--|-----|------|---|-----|-----|--|-----|-----|---|------|---|-----|---|-----|-------------------------------------|----|-------------|----------|------|----|----|
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | | | | |
| 2N3369 | TO-18 | 40 | 1 | 5 | 30 | 6.5 | 20 | 1000 | 0.5 | 2.5 | 30 | 0.6 | 2.5 | 30 | 30 | 30 | 20 | 8 | 0 | 3 | 30 | 0 | | | 52 | 02 | |
| 2N3370 | TO-18 | 40 | 1 | 5 | 30 | 3.2 | 20 | 1000 | 0.1 | 0.6 | 30 | 0.3 | 2.5 | 30 | 15 | 30 | 20 | 8 | 0 | 3 | 30 | 0 | | | 52 | 02 | |
| 2N3458 | TO-18 | 50 | 1 | 0.25 | 30 | 7.8 | 20 | 1000 | 3 | 15 | 20 | 2.5 | 10 | 20 | 35 | 30 | 18 | 0 | -10 | 5 | 30 | 0 | 225 | 20 | 52 | 02 | |
| 2N3459 | TO-18 | 50 | 1 | 0.25 | 30 | 3.4 | 20 | 1000 | 0.8 | 4 | 20 | 1.5 | 6 | 20 | 20 | 30 | 18 | 0 | -6 | 5 | 30 | 0 | 155 | 20 | 52 | 02 | |
| 2N3460 | TO-18 | 50 | 1 | 0.25 | 30 | 1.8 | 20 | 1000 | 0.2 | 1 | 20 | 0.8 | 4.5 | 20 | 5 | 30 | 18 | 0 | -4 | 5 | 30 | 0 | 155 | 20 | 52 | 02 | |
| 2N3684 | TO-72 | 50 | 1 | 0.1 | 30 | 2 | 5 | 20 | 1 | 2.5 | 7.5 | 20 | 2 | 3 | 20 | 50 | 20 | 4 | 20 | 0 | 1.2 | 20 | 0 | 150 | 100 | 52 | 25 |
| 2N3685 | TO-72 | 50 | 1 | 0.1 | 30 | 1 | 3.5 | 20 | 1 | 1 | 3 | 20 | 1.5 | 2.5 | 20 | 25 | 20 | 4 | 20 | 0 | 1.2 | 20 | 0 | 150 | 100 | 52 | 25 |
| 2N3686 | TO-72 | 50 | 1 | 0.1 | 30 | 0.6 | 2 | 20 | 1 | 0.4 | 1.2 | 20 | 1 | 2 | 20 | 10 | 20 | 4 | 20 | 0 | 1.2 | 20 | 0 | 150 | 100 | 52 | 25 |
| 2N3687 | TO-72 | 50 | 1 | 0.1 | 30 | 0.3 | 1.2 | 20 | 1 | 0.1 | 0.5 | 20 | 0.5 | 1.5 | 20 | 5 | 20 | 4 | 20 | 0 | 1.2 | 20 | 0 | 150 | 100 | 52 | 25 |
| 2N3821 | TO-72 | 50 | 1 | 0.1 | 30 | 4 | 15 | 0.5 | 0.5 | 2.5 | 15 | 1.5 | 4.5 | 15 | 10 | 15 | 6 | 15 | 0 | 3 | 15 | 0 | 200 | 10 | 55 | 25 | |
| 2N3822 | TO-72 | 50 | 1 | 0.1 | 30 | 6 | 15 | 0.5 | 2 | 10 | 15 | 3 | 6.5 | 15 | 20 | 15 | 6 | 15 | 0 | 3 | 15 | 0 | 200 | 10 | 55 | 25 | |
| 2N3967 | TO-72 | 30 | 1 | 0.1 | 20 | 2 | 5 | 20 | 1 | 2.5 | 10 | 20 | 2.5 | | 20 | 35 | 20* | 5 | 20 | † | 1.3 | 20 | ■ | 84 | 100 | 55 | 25 |
| 2N3967A | TO-72 | 30 | 1 | 0.1 | 20 | 2 | 5 | 20 | 1 | 2.5 | 10 | 20 | 2.5 | | 20 | 35 | 20* | 5 | 20 | † | 1.3 | 20 | ■ | 160 | 10 | 55 | 25 |
| 2N3968 | TO-72 | 30 | 1 | 0.1 | 20 | 3 | 20 | 1 | 1 | 5 | 20 | 2 | | 20 | 15 | 20** | 5 | 20 | ** | 1.3 | 20 | † | 84 | 100 | 55 | 25 | |
| 2N3968A | TO-72 | 30 | 1 | 0.1 | 20 | 3 | 20 | 1 | 1 | 5 | 20 | 2 | | 20 | 15 | 20** | 5 | 20 | ** | 1.3 | 20 | † | 160 | 10 | 55 | 25 | |
| 2N3969 | TO-72 | 30 | 1 | 0.1 | 20 | 1.7 | 20 | 1 | 0.4 | 2 | 20 | 1.3 | | 20 | 5 | 20†† | 5 | 20 | †† | 1.3 | 20 | † | 84 | 100 | 55 | 25 | |
| 2N3969A | TO-72 | 30 | 1 | 0.1 | 20 | 1.7 | 20 | 1 | 0.4 | 2 | 20 | 1.3 | | 20 | 5 | 20†† | 5 | 20 | †† | 1.3 | 20 | † | 160 | 10 | 55 | 25 | |
| 2N4220 | TO-72 | 30 | 10 | 0.1 | 15 | 4 | 15 | 0.1 | 0.5 | 3 | 15 | 1 | 4 | 15 | 10 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | | | 55 | 25 | |
| 2N4220A | TO-72 | 30 | 10 | 0.1 | 15 | 4 | 15 | 0.1 | 0.5 | 3 | 15 | 1 | 4 | 15 | 10 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | 115 | 100 | 55 | 25 | |
| 2N4221 | TO-72 | 30 | 10 | 0.1 | 15 | 6 | 15 | 0.1 | 2 | 6 | 15 | 2 | 5 | 15 | 20 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | | | 55 | 25 | |
| 2N4221A | TO-72 | 30 | 10 | 0.1 | 15 | 6 | 15 | 0.1 | 2 | 6 | 15 | 2 | 5 | 15 | 20 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | 115 | 100 | 55 | 25 | |
| 2N4222 | TO-72 | 30 | 10 | 0.1 | 15 | 8 | 15 | 0.1 | 5 | 15 | 15 | 2.5 | 6 | 15 | 40 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | | | 55 | 25 | |
| 2N4222A | TO-72 | 30 | 10 | 0.1 | 15 | 8 | 15 | 0.1 | 5 | 15 | 15 | 2.5 | 6 | 15 | 40 | 15 | 6 | 15 | 0 | 2 | 15 | 0 | 115 | 100 | 55 | 25 | |
| 2N4338 | TO-18 | 50 | 1 | 0.1 | 30 | 0.3 | 1 | 15 | 100 | 0.2 | 0.6 | 15 | 0.6 | 1.8 | 15 | 5 | 15 | 7 | 15 | 0 | 3 | 15 | 0 | 68 | 1000 | 52 | 02 |
| 2N4339 | TO-18 | 50 | 1 | 0.1 | 30 | 0.6 | 1.8 | 15 | 100 | 0.5 | 1.5 | 15 | 0.8 | 2.4 | 15 | 15 | 15 | 7 | 15 | 0 | 3 | 15 | 0 | 68 | 1000 | 52 | 02 |
| 2N4340 | TO-18 | 50 | 1 | 0.1 | 30 | 1 | 3 | 15 | 100 | 1.2 | 3.6 | 15 | 1.3 | 3 | 15 | 30 | 15 | 7 | 15 | 0 | 3 | 15 | 0 | 68 | 1000 | 52 | 02 |
| 2N4341 | TO-18 | 50 | 1 | 0.1 | 30 | 2 | 6 | 15 | 100 | 3 | 9 | 15 | 2 | 4 | 15 | 60 | 15 | 7 | 15 | 0 | 3 | 15 | 0 | 68 | 1000 | 55 | 02 |
| 2N5103 | TO-72 | 25 | 10 | 0.1 | 15 | 0.5 | 4 | 15 | 1 | 1 | 8 | 15 | 2 | 8 | 15 | 100 | 15 | 5 | 15 | 0 | 1 | 15 | 0 | 100 | 10 | 50 | 25 |
| 2N5104 | TO-72 | 25 | 1 | 0.1 | 15 | 0.5 | 4 | 15 | 1 | 2 | 6 | 15 | 3.5 | 7.5 | 15 | 100 | 15 | 5 | 15 | 0 | 1 | 15 | 0 | 50 | 10 | 50 | 25 |

■ I_D = 1 mA; † I_D = 500 μA; †† I_D = 40 μA; ** I_D = 100 μA; †† I_D = 250 μA.

t = typical value.