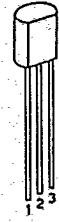


N-CHANNEL JFETs

T-301-05



TO-92/TO-226AA

ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

| Device Type | $V_{(BYP)GSS}$ | | I_{GSS} | | $V_{GS(on)}$ | | | | I_{DSS} | | θ_{fs} | | | C_{iss}^1 | | C_{rss}^1 | | r_{ds} Max. (Ω) | Pinning 1, 2, 3 | |
|-------------|----------------|---------------------------|-----------|----------------|--------------|----------|--------------|------------|-----------|----------------------|---------------|-----------|----------------|----------------------|-----------|----------------|-----------|----------------------------|-----------------|------|
| | Min. (V) | @ I_D (μA) | Max. (nA) | @ V_{DS} (V) | Limits | | Conditions | | Min. (mA) | Max. @ V_{DS} (mA) | Min. (mS) | Max. (mS) | @ V_{DS} (V) | Max. @ V_{DS} (pF) | Max. (pF) | @ V_{DS} (V) | Max. (pF) | | | |
| | | | | | Min. (V) | Max. (V) | V_{DS} (V) | I_D (nA) | | | | | | | | | | | | |
| 2N3819 | -25 | -1.0 | -2.0 | -15 | — | -8.0 | 15 | 2.0 | 2.0 | 20 | 15 | 2.0 | 6.5 | 15 | 8.0 | 15 | 4.0 | 15 | — | DSG† |
| TP3821 | -50 | -1.0 | -1.0 | -30 | — | -4.0 | 10 | 1.0 | 0.5 | 2.5 | 15 | 1.5 | 4.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP3822 | -50 | -1.0 | -1.0 | -30 | — | -6.0 | 10 | 1.0 | 2.0 | 10 | 15 | 3.0 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP3823 | -30 | -1.0 | -1.0 | -20 | — | -8.0 | 10 | 1.0 | 4.0 | 20 | 15 | 3.5 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP3824 | -50 | -1.0 | -1.0 | -30 | — | -8.0 | 15 | 0.5 | 4.0 | 20 | 15 | 3.5 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | 250 | DSG† |
| TP4091 | -40 | -1.0 | -1.0 | -20 | -5.0 | -1.0 | 20 | 1.0 | 30 | — | 20 | — | — | — | 16 | 20 | 5.0 | -20‡ | 30 | DSG† |
| TP4092 | -40 | -1.0 | -1.0 | -20 | -2.0 | -7.0 | 20 | 1.0 | 15 | — | 20 | — | — | — | 16 | 20 | 5.0 | -20‡ | 50 | DSG† |
| TP4093 | -40 | -1.0 | -1.0 | -20 | -1.0 | -5.0 | 20 | 1.0 | 8.0 | — | 20 | — | — | — | 16 | 20 | 5.0 | -20‡ | 80 | DSG† |
| TP4117 | -40 | -1.0 | -0.01 | -20 | -0.6 | -1.8 | 10 | 1.0 | 0.03 | 0.09 | 10 | 0.07 | 0.21 | 10 | 3.0 | 10 | 1.5 | 10 | — | DSG† |
| TP4118 | -40 | -1.0 | -0.01 | -20 | -1.0 | -3.0 | 10 | 1.0 | 0.08 | 0.24 | 10 | 0.08 | 0.25 | 10 | 3.0 | 10 | 1.5 | 10 | — | DSG† |
| TP4119 | -40 | -1.0 | -0.01 | -20 | -2.0 | -6.0 | 10 | 1.0 | 0.2 | 0.6 | 10 | 0.10 | 0.33 | 10 | 3.0 | 10 | 1.5 | 10 | — | DSG† |
| TP4220 | -30 | -1.0 | -1.0 | -15 | — | -4.0 | 15 | 1.0 | 0.5 | 3.0 | 15 | 1.0 | 4.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP4221 | -30 | -1.0 | -1.0 | -15 | — | -6.0 | 15 | 1.0 | 2.0 | 6.0 | 15 | 2.0 | 5.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP4222 | -30 | -1.0 | -1.0 | -15 | — | -8.0 | 15 | 1.0 | 5.0 | 15 | 15 | 2.5 | 6.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP4223 | -30 | -1.0 | -1.0 | -20 | — | -8.0 | 15 | 1.0 | 3.0 | 18 | 15 | 3.0 | 7.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP4224 | -30 | -1.0 | -1.0 | -20 | — | -8.0 | 15 | 1.0 | 2.0 | 20 | 15 | 2.0 | 7.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP4391 | -40 | -1.0 | -1.0 | -20 | -4.0 | -10 | 20 | 1.0 | 50 | 150 | 20 | — | — | — | 16 | 20 | 5.0 | -12‡ | 30 | DSG† |
| TP4392 | -40 | -1.0 | -1.0 | -20 | -2.0 | -5.0 | 20 | 1.0 | 25 | 100 | 20 | — | — | — | 16 | 20 | 5.0 | -7.0‡ | 60 | DSG† |
| TP4393 | -40 | -1.0 | -1.0 | -20 | -0.5 | -3.0 | 20 | 1.0 | 5.0 | 30 | 20 | — | — | — | 16 | 20 | 5.0 | -5.0‡ | 100 | DSG† |
| TP4416 | -30 | -1.0 | -1.0 | -20 | — | -6.0 | 15 | 1.0 | 5.0 | 15 | 15 | 4.5 | 7.5 | 15 | 4.5 | 15 | 1.2 | 15 | — | DSG† |
| TP4416A | -35 | -1.0 | -1.0 | -20 | -2.5 | -6.0 | 15 | 1.0 | 5.0 | 15 | 15 | 4.5 | 7.5 | 15 | 4.5 | 15 | 1.2 | 15 | — | DSG† |
| TP4856 | -40 | -1.0 | -1.0 | -20 | -4.0 | -10 | 15 | 1.0 | 50 | — | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 25 | DSG† |
| TP4857 | -40 | -1.0 | -1.0 | -20 | -2.0 | -6.0 | 15 | 1.0 | 20 | 100 | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 40 | DSG† |
| TP4858 | -40 | -1.0 | -1.0 | -20 | -0.8 | -4.0 | 15 | 1.0 | 8.0 | 80 | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 60 | DSG† |
| TP4859 | -30 | -1.0 | -1.0 | -15 | -4.0 | -10 | 15 | 1.0 | 50 | — | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 25 | DSG† |
| TP4860 | -30 | -1.0 | -1.0 | -15 | -2.0 | -6.0 | 15 | 1.0 | 20 | 100 | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 40 | DSG† |
| TP4861 | -30 | -1.0 | -1.0 | -15 | -0.8 | -4.0 | 15 | 1.0 | 8.0 | 80 | 15 | — | — | — | 18 | -10‡ | 8.0 | -10‡ | 60 | DSG† |
| TP5163 | -25 | -1.0 | -1.0 | -15 | -0.4 | -8.0 | 15 | -1.0‡ | 1.0 | 40 | 15 | 2.0 | 9.0 | 15 | 12 | 15 | 3.0 | 15 | — | DSG† |
| TP5245 | -30 | -1.0 | -1.0 | -20 | -1.0 | -6.0 | 15 | 10 | 5.0 | 15 | 15 | 4.0 | — | 15 | 4.5 | 15 | 1.5 | 15 | — | DSG† |
| TP5246 | -30 | -1.0 | -1.0 | -20 | -0.5 | -4.0 | 15 | 10 | 1.5 | 7.0 | 15 | 2.5 | — | 15 | 4.5 | 15 | 1.5 | 15 | — | DSG† |
| TP5247 | -30 | -1.0 | -1.0 | -20 | -1.5 | -8.0 | 15 | 10 | 8.0 | 24 | 15 | 4.0 | — | 15 | 4.5 | 15 | 1.5 | 15 | — | DSG† |
| TP5248 | -30 | -1.0 | -5.0 | -20 | -1.0 | -8.0 | 15 | 10 | 4.0 | 20 | 15 | 3.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5358 | -40 | -1.0 | -1.0 | -20 | -0.5 | -3.0 | 15 | 100 | 0.5 | 1.0 | 15 | 1.0 | 3.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5359 | -40 | -1.0 | -1.0 | -20 | -0.8 | -4.0 | 15 | 100 | 0.6 | 1.6 | 15 | 1.2 | 3.6 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5360 | -40 | -1.0 | -1.0 | -20 | -0.8 | -4.0 | 15 | 100 | 1.5 | 3.0 | 15 | 1.4 | 4.2 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5361 | -40 | -1.0 | -1.0 | -20 | -1.0 | -6.0 | 15 | 100 | 2.5 | 5.0 | 15 | 1.5 | 4.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5362 | -40 | -1.0 | -1.0 | -20 | -2.0 | -7.0 | 15 | 100 | 4.0 | 8.0 | 15 | 2.0 | 5.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5363 | -40 | -1.0 | -1.0 | -20 | -2.5 | -8.0 | 15 | 100 | 7.0 | 14 | 15 | 2.5 | 6.0 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| TP5364 | -40 | -1.0 | -1.0 | -20 | -2.5 | -8.0 | 15 | 100 | 9.0 | 18 | 15 | 2.7 | 6.5 | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG† |
| 2N5457 | -25 | -1.0 | -1.0 | -15 | -0.5 | -6.0 | 15 | 10 | 1.0 | 5.0 | 15 | 1.0 | 5.0 | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG† |

NOTES: † Reversed pinning (S-G-D) available on special order—add suffix letter 'R' to part number. Continued next page...
‡ Reversed pinning (S-D-G) available on special order—add suffix letter 'R' to part number.

- 1) $V_{GS} = 0\text{ V}$.
- 2) I_D in μA .
- 3) $V_{DS} = 0\text{ V}$, V_{GS} in volts.
- 4) $I_D = 10\text{ mA}$.
- 5) $I_D = 5.0\text{ mA}$.
- 6) $I_D = 1.0\text{ mA}$.
- 7) $I_D = 500\ \mu\text{A}$.
- 8) $I_D = 200\ \mu\text{A}$.

N-CHANNEL JFETs

TO-92/TO-226AA

ALLEGRO MICROSYSTEMS

T-39-05

ELECTRICAL CHARACTERISTICS continued

| Device Type | V _{(gry)gss} | | I _{gss} | | V _{gs(on)} | | I _{oss} | | g _{fs} | | C _{iss} [†] | | C _{rss} [†] | | r _{ds} [‡] | Pinning 1, 2, 3 | | | | | |
|-------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------|------------|---------------------|---------------------|-----------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|------------------------------|-------------------|-----|-------------------|-----|------|------|
| | | | | | Limits | Conditions | | | | | | | | | | | | | | | |
| | Min. @ I _o (V) | Max. @ I _o (μA) | Min. @ V _{DS} (nA) | Max. @ V _{DS} (V) | Min. (V) | Max. (V) | V _{DS} (V) | I _D (nA) | Min. (mA) | Max. @ V _{DS} (mA) | Min. (mS) | Max. @ V _{DS} (mS) | Max. @ V _{DS} (pF) | Max. @ V _{DS} (pF) | Max. (Ω) | | | | | | |
| 2N5458 | -25 | -10 | -1.0 | -15 | -1.0 | -7.0 | 15 | 10 | 2.0 | 9.0 | 15 | 1.5 | 5.5 | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG‡ | |
| 2N5459 | -25 | -10 | -1.0 | -15 | -2.0 | -8.0 | 15 | 10 | 4.0 | 16 | 15 | 2.0 | 6.0 | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG‡ | |
| 2N5484 | -25 | -1.0 | -1.0 | -20 | -0.3 | -3.0 | 15 | 10 | 1.0 | 5.0 | 15 | 3.0 | 6.0 | 15 | 5.0 | 15 | 1.2 | 15 | — | DSG‡ | |
| 2N5485 | -25 | -1.0 | -1.0 | -20 | -0.5 | -4.0 | 15 | 10 | 4.0 | 10 | 15 | 3.5 | 7.0 | 15 | 5.0 | 15 | 1.2 | 15 | — | DSG‡ | |
| 2N5486 | -25 | -1.0 | -1.0 | -20 | -2.0 | -6.0 | 15 | 10 | 8.0 | 20 | 15 | 4.0 | 8.0 | 15 | 5.0 | 15 | 1.2 | 15 | — | DSG‡ | |
| 2N5638 | -30 | -1.0 | -10 | -15 | — | -12 | 15 | 1.0 | 50 | — | 20 | — | — | — | 10 | -12 [§] | 4.0 | -12 [§] | 30 | DSG‡ | |
| 2N5639 | -30 | -1.0 | -1.0 | -15 | — | -8.0 | 15 | 1.0 | 25 | — | 20 | — | — | — | 10 | -12 [§] | 4.0 | -12 [§] | 60 | DSG‡ | |
| 2N5640 | -30 | -1.0 | -10 | -15 | — | -6.0 | 15 | 1.0 | 5.0 | — | 20 | — | — | — | 10 | -12 [§] | 4.0 | -12 [§] | 100 | DSG‡ | |
| 2N5653 | -30 | -1.0 | -10 | -15 | — | -12 | 15 | 1.0 | 40 | — | 20 | — | — | — | 10 | -12 [§] | 3.5 | -12 [§] | 50 | DSG‡ | |
| 2N5654 | -25 | -1.0 | -10 | -15 | — | -8.0 | 15 | 1.0 | 15 | — | 20 | — | — | — | 10 | -8.0 [§] | 3.5 | -8.0 [§] | 100 | DSG‡ | |
| TP5668 | -25 | -10 | -1.0 | -15 | -0.2 | -4.0 | 15 | 10 | 1.0 | 5.0 | 15 | 1.0 | — | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG‡ | |
| TP5669 | -25 | -10 | -1.0 | -15 | -1.0 | -6.0 | 15 | 10 | 4.0 | 10 | 15 | 1.6 | — | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG‡ | |
| TP5670 | -25 | -10 | -1.0 | -15 | -2.0 | -8.0 | 15 | 10 | 8.0 | 20 | 15 | 2.0 | — | 15 | 7.0 | 15 | 3.0 | 15 | — | DSG‡ | |
| TP5949 | -30 | -1.0 | -1.0 | -15 | -3.0 | -7.0 | 15 | 100 | 12 | 18 | 15 | 3.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG‡ | |
| TP5950 | -30 | -1.0 | -1.0 | -15 | -2.5 | -6.0 | 15 | 100 | 10 | 15 | 15 | 3.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG‡ | |
| TP5951 | -30 | -1.0 | -1.0 | -15 | -2.0 | -5.0 | 15 | 100 | 7.0 | 13 | 15 | 3.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG‡ | |
| TP5952 | -30 | -1.0 | -1.0 | -15 | -1.3 | -3.5 | 15 | 100 | 4.0 | 8.0 | 15 | 1.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG‡ | |
| TP5953 | -30 | -1.0 | -1.0 | -15 | -0.8 | -3.0 | 15 | 100 | 2.5 | 5.0 | 15 | 1.0 | — | 15 | 6.0 | 15 | 2.0 | 15 | — | DSG‡ | |
| BF244A | -30 | -1.0 | -5 | -20 | -0.5 | -8.0 | 15 | 10 | 2.0 | 6.5 | 15 | 3.0 | 6.5 | 15 | — | — | — | — | — | DGS† | |
| BF244B | -30 | -1.0 | -5 | -20 | -0.5 | -8.0 | 15 | 10 | 6.0 | 15 | 15 | 3.0 | 6.5 | 15 | — | — | — | — | — | DGS† | |
| BF244C | -30 | -1.0 | -5 | -20 | -0.5 | -8.0 | 15 | 10 | 12 | 25 | 15 | 3.0 | 6.5 | 15 | — | — | — | — | — | DGS† | |
| BF246A | -25 | -1.0 | -5 | -15 | -0.6 | -14.5 | 15 | 10 | 30 | 80 | 15 | — | — | — | — | — | — | — | — | 65 | DGS† |
| BF246B | -25 | -1.0 | -5 | -15 | -0.6 | -14.5 | 15 | 10 | 60 | 140 | 15 | — | — | — | — | — | — | — | — | 50 | DGS† |
| BF246C | -25 | -1.0 | -5 | -15 | -0.6 | -14.5 | 15 | 10 | 110 | 250 | 15 | — | — | — | — | — | — | — | — | 35 | DGS† |
| BF256A | -30 | -1.0 | -5 | -20 | -0.5 | -7.5 | 15 | 10 | 3.0 | 7.0 | 15 | 4.5 | — | 15 | 4.5 | 15 | 1.2 | 15 | — | — | DGS† |
| BF256B | -30 | -1.0 | -5 | -20 | -0.5 | -7.5 | 15 | 10 | 6.0 | 13 | 15 | 4.5 | — | 15 | 4.5 | 15 | 1.2 | 15 | — | — | DGS† |
| BF256C | -30 | -1.0 | -5 | -20 | -0.5 | -7.5 | 15 | 10 | 11 | 18 | 15 | 4.5 | — | 15 | 4.5 | 15 | 1.2 | 15 | — | — | DGS† |
| BFR30 | -25 | -1.0 | -0.2 | -10 | — | -5.0 | 10 | 0.5 | 4.0 | 10 | 10 | 1.0 | 4.0 | 10 [§] | 5.0 | 10 [§] | 1.5 | 10 [§] | — | — | DSG‡ |
| BFR31 | -25 | -1.0 | -0.2 | -10 | — | -2.5 | 10 | 0.5 | 1.0 | 5.0 | 10 | 1.5 | 4.5 | 10 [§] | 5.0 | 10 [§] | 1.5 | 10 [§] | — | — | DSG‡ |
| J111 | -35 | -1.0 | -1.0 | -15 | -3.0 | -10 | 5.0 | 10 ² | 20 | — | 15 | — | — | — | 16 | 15 | 5 | -10 [§] | 30 | — | DSG‡ |
| J112 | -35 | -1.0 | -1.0 | -15 | -1.0 | -5.0 | 5.0 | 10 ² | 5.0 | — | 15 | — | — | — | 16 | 15 | 5 | -10 [§] | 50 | — | DSG‡ |
| J112A | -40 | -1.0 | -0.2 | -15 | -2.0 | -7.0 | 5.0 | 10 ² | 15 | — | 15 | — | — | — | 16 | 15 | 5 | -10 [§] | 50 | — | DSG‡ |
| J113 | -35 | -1.0 | -1.0 | -15 | — | -3.0 | 5.0 | 10 ² | 2.0 | — | 15 | — | — | — | 16 | 15 | 5 | -10 [§] | 100 | — | DSG‡ |
| J113A | -40 | -1.0 | -0.2 | -15 | -1.0 | -5.0 | 5.0 | 10 ² | 8.0 | — | 15 | — | — | — | 16 | 15 | 5 | -10 [§] | 80 | — | DSG‡ |
| J201 | -40 | -1.0 | -0.1 | -20 | -0.3 | -1.5 | 20 | 10 | 0.2 | 1.0 | 20 | 0.5 | — | 20 | 4.0 | 20 | 1.0 | 20 | — | — | DSG |
| J202 | -40 | -1.0 | -0.1 | -20 | -0.8 | -4.0 | 20 | 10 | 0.9 | 4.5 | 20 | 1.0 | — | 20 | 4.0 | 20 | 1.0 | 20 | — | — | DSG |
| J203 | -40 | -1.0 | -0.1 | -20 | -2.0 | -10 | 20 | 10 | 4.0 | 20 | 20 | 1.5 | — | 20 | 6.0 | 20 | 1.2 | 20 | — | — | DSG |
| J230 | -40 | -1.0 | -0.2 | -30 | -0.5 | -3.0 | 20 | 10 ² | 0.7 | 3.0 | 20 | 1.0 | 3.5 | 20 | — | — | — | — | — | — | DSG |
| J231 | -40 | -1.0 | -0.2 | -30 | -1.5 | -5.0 | 20 | 10 ² | 2.0 | 6.0 | 20 | 1.5 | 4.0 | 20 | — | — | — | — | — | — | DSG |
| J232 | -40 | -1.0 | -0.2 | -30 | -3.0 | -6.0 | 20 | 10 ² | 5.0 | 10 | 20 | 2.5 | 5.0 | 20 | — | — | — | — | — | — | DSG |
| J304 | -30 | -1.0 | -0.1 | -20 | -2.0 | -6.0 | 15 | 1.0 | 5.0 | 15 | 15 | 4.5 | 7.5 | 15 | — | — | — | — | — | — | DSG |

NOTES: † Reversed pinning (S-G-D) available on special order—add suffix letter 'R' to part number.
 ‡ Reversed pinning (S-D-G) available on special order—add suffix letter 'R' to part number.
 § Reversed pinning (G-S-D) available on special order—add suffix letter 'R' to part number.

Continued next page...

- 1) V_{GS} = 0 V.
- 2) I_D in μA.
- 3) V_{DS} = 0 V, V_{GS} in volts.
- 4) I_D = 10 mA.
- 5) I_D = 5.0 mA.
- 6) I_D = 1.0 mA.
- 7) I_D = 500 μA.
- 8) I_D = 200 μA.

N-CHANNEL JFETs

TO-92/TO-92G/TO-92B

T-39-05

ELECTRICAL CHARACTERISTICS continued

| Device Type | V _{(ary)GSS} | | I _{GSS} | | V _{GS(on)} | | | | I _{DSS} | | | g _{fs} | | | C _{ISS} ¹ | | C _{RSS} ¹ | | r _{DS} Max. | Pin-ning 1, 2, 3 |
|-------------|-----------------------|------------------|------------------|-------------------|---------------------|------|-----------------|----------------|------------------|------|-------------------|-----------------|------|-------------------|-------------------------------|-------------------|-------------------------------|-------------------|----------------------|------------------|
| | | | | | Limits | | Conditions | | | | | | | | | | | | | |
| | Min. | @ I _G | Max. | @ V _{DS} | Min. | Max. | V _{DS} | I _D | Min. | Max. | @ V _{DS} | Min. | Max. | @ V _{DS} | Max. | @ V _{DS} | Max. | @ V _{DS} | (Ω) | |
| J305 | -30 | -1.0 | -0.1 | -20 | -0.5 | -3.0 | 15 | 1.0 | 1.0 | 8.0 | 15 | 3.0 | — | 15 | — | — | — | — | — | DSG‡ |
| TPJ308 | -25 | -1.0 | -1.0 | -15 | -1.0 | -6.5 | 10 | 1.0 | 12 | 60 | 10 | 8.0 | — | 10 ⁴ | 7.5 | -10 ³ | 3.5 | -10 ³ | — | DSG‡ |
| TPJ309 | -25 | -1.0 | -1.0 | -15 | -1.0 | -4.0 | 10 | 1.0 | 12 | 30 | 10 | 10 | — | 10 ⁴ | 7.5 | -10 ³ | 7.5 | -10 ³ | — | DSG‡ |
| TPJ310 | -25 | -1.0 | -1.0 | -15 | -2.0 | -6.5 | 10 | 1.0 | 24 | 60 | 10 | 8.0 | — | 10 ⁴ | 7.5 | -10 ³ | 7.5 | -10 ³ | — | DSG‡ |
| TPU308 | -25 | -1.0 | -1.0 | -15 | -1.0 | -6.0 | 10 | 1.0 | 12 | 60 | 10 | — | — | — | 7.5 | -10 ³ | 3.5 | -10 ³ | — | DSG‡ |
| TPU309 | -25 | -1.0 | -1.0 | -15 | -1.0 | -4.0 | 10 | 1.0 | 12 | 30 | 10 | — | — | — | 7.5 | -10 ³ | 3.5 | -10 ³ | — | DSG‡ |
| TPU310 | -25 | -1.0 | -1.0 | -15 | -2.5 | -6.0 | 10 | 1.0 | 24 | 60 | 10 | — | — | — | 7.5 | -10 ³ | 3.5 | -10 ³ | — | DSG‡ |
| TPU1897 | -40 | -1.0 | -0.4 | -20 | -5.0 | -10 | 20 | 1.0 | 30 | — | 20 | — | — | — | 16 | 20 | 3.5 | 20 | 30 | DSG‡ |
| TPU1898 | -40 | -1.0 | -0.4 | -20 | -2.0 | -7.0 | 20 | 1.0 | 15 | — | 20 | — | — | — | 16 | 20 | 3.5 | 20 | 50 | DSG‡ |
| TPU1899 | -40 | -1.0 | -0.4 | -20 | -1.0 | -5.0 | 20 | 1.0 | 8.0 | — | 20 | — | — | — | 16 | 20 | 3.5 | 20 | 80 | DSG‡ |

NOTES: † Reversed pinning (S-G-D) available on special order—add suffix letter 'R' to part number.

‡ Reversed pinning (S-D-G) available on special order—add suffix letter 'R' to part number.

§ Reversed pinning (G-S-D) available on special order—add suffix letter 'R' to part number.

- 1) V_{GS} = 0 V.
- 2) I_D in μA.
- 3) V_{DS} = 0 V, V_{GS} in volts.
- 4) I_D = 10 mA.
- 5) I_D = 5.0 mA.
- 6) I_D = 1.0 mA.
- 7) I_D = 500 μA.
- 8) I_D = 200 μA.