

80 V (Trench)



NEW!

NEW!

| Product name | Technology | $R_{DS(on)}$ @ 10 V [mΩ] | I_b [A] | $R_{th,jc}$ (max) [K/W] | $V_{GS(th)}$ (min-max) [V] | Q_G (typ) [nC] | Normal/ logic level | Package ¹⁾ |
|------------------|-------------|-----------------------------|--------------|----------------------------|-------------------------------|---------------------|------------------------|---------------------------|
| IAUT300N08S5N012 | OptiMOS™-5 | 1.20 | 300 | 0.40 | 2.20 ... 3.80 | 178 | Normal | HSOF-8 (HPSOF-8) |
| IPB180N08S4-02 | OptiMOS™-T2 | 2.20 | 180 | 0.54 | 2.00 ... 4.00 | 167 | Normal | TO263-7-3 (TO220-7 (SMD)) |
| IPB120N08S4-03 | OptiMOS™-T2 | 2.50 | 120 | 0.54 | 2.00 ... 4.00 | 167 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI120N08S4-03 | OptiMOS™-T2 | 2.50 | 120 | 0.54 | 2.00 ... 4.00 | 167 | Normal | TO262-3 |
| IPP120N08S4-03 | OptiMOS™-T2 | 2.50 | 120 | 0.54 | 2.00 ... 4.00 | 167 | Normal | TO220-3 |
| IAUT165N08S5N029 | OptiMOS™-5 | 2.90 | 165 | 0.90 | 2.20 ... 3.80 | 70 | Normal | HSOF-8 (HPSOF-8) |
| IPB160N08S4-03 | OptiMOS™-T2 | 3.20 | 160 | 0.72 | 2.00 ... 4.00 | 112 | Normal | TO263-7-3 (TO220-7 (SMD)) |
| IPB120N08S4-04 | OptiMOS™-T2 | 4.10 | 120 | 0.84 | 2.00 ... 4.00 | 95 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI120N08S4-04 | OptiMOS™-T2 | 4.10 | 120 | 0.84 | 2.00 ... 4.00 | 95 | Normal | TO262-3 |
| IPP120N08S4-04 | OptiMOS™-T2 | 4.10 | 120 | 0.84 | 2.00 ... 4.00 | 95 | Normal | TO220-3 |
| IPB140N08S4-04 | OptiMOS™-T2 | 4.20 | 140 | 0.90 | 2.00 ... 4.00 | 80 | Normal | TO263-7-3 (TO220-7 (SMD)) |
| IPP80N07S4-05 | OptiMOS™-T2 | 5.20 | 80 | 1.00 | 2.00 ... 4.00 | 69 | Normal | TO220-3 |
| IPD90N08S4-05 | OptiMOS™-T2 | 5.30 | 90 | 1.00 | 2.00 ... 4.00 | 68 | Normal | TO252-3 (DPAK) |
| IPB80N08S4-06 | OptiMOS™-T2 | 5.50 | 80 | 1.00 | 2.00 ... 4.00 | 70 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI80N08S4-06 | OptiMOS™-T2 | 5.50 | 80 | 1.00 | 2.00 ... 4.00 | 70 | Normal | TO262-3 |
| IPD50N08S4-13 | OptiMOS™-T2 | 13.20 | 50 | 2.10 | 2.00 ... 4.00 | 30 | Normal | TO252-3 (DPAK) |

100 V (Trench)



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| Product name | Technology | $R_{DS(on)}$ @ 10 V [mΩ] | I_b [A] | $R_{th,jc}$ (max) [K/W] | $V_{GS(th)}$ (min-max) [V] | Q_G (typ) [nC] | Normal/ logic level | Package ¹⁾ |
|------------------|-------------|-----------------------------|--------------|----------------------------|-------------------------------|---------------------|------------------------|-------------------------------------|
| IAUT300N10S5N015 | OptiMOS™-5 | 1.50 | 300 | 0.40 | 2.20 ... 3.80 | 178.00 | Normal | HSOF-8 (HPSOF-8) |
| IPB180N10S4-02 | OptiMOS™-T2 | 2.50 | 180 | 0.50 | 2.00 ... 3.50 | 156.00 | Normal | TO263-7-3 (TO220-7 (SMD)) |
| IPB180N10S4-03 | OptiMOS™-T2 | 3.30 | 180 | 0.60 | 2.00 ... 3.50 | 108.00 | Normal | TO263-7-3 (TO220-7 (SMD)) |
| IAUT150N10S5N035 | OptiMOS™-5 | 3.50 | 150 | 0.90 | 2.20 ... 3.80 | 67.00 | Normal | HSOF-8 (HPSOF-8) |
| IPB120N10S4-03 | OptiMOS™-T2 | 3.50 | 120 | 0.60 | 2.00 ... 3.50 | 108.00 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI120N10S4-03 | OptiMOS™-T2 | 3.50 | 120 | 0.60 | 2.00 ... 3.50 | 108.00 | Normal | TO262-3 |
| IPP120N10S4-03 | OptiMOS™-T2 | 3.50 | 120 | 0.60 | 2.00 ... 3.50 | 108.00 | Normal | TO220-3 |
| AUIRF7769L2 | Gen 10.7 | 3.50 | 124 | 1.20 | 2.00 ... 4.00 | 200.00 | Normal | DirectFET™2 L8 |
| AUIRLS4030-7P | Gen 10.7 | 3.90 | 190 | 0.40 | 1.00 ... 2.50 | 93.00 | Logic | TO-263-7 (D ² PAK 7-leg) |
| AUIRLS4030 | Gen 10.7 | 4.30 | 180 | 0.40 | 1.00 ... 2.50 | 87.00 | Logic | TO-263-3 (D ² PAK 3-leg) |
| AUIRF7669L2 | Gen 10.7 | 4.40 | 114 | 1.20 | 3.00 ... 5.00 | 81.00 | Normal | DirectFET™2 L8 |
| AUIRFP4110 | Gen 10.7 | 4.50 | 120 | 0.40 | 2.00 ... 4.00 | 150.00 | Normal | TO-247 |
| IPB120N10S4-05 | OptiMOS™-T2 | 5.00 | 120 | 0.80 | 2.00 ... 3.50 | 70.00 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI120N10S4-05 | OptiMOS™-T2 | 5.00 | 120 | 0.80 | 2.00 ... 3.50 | 70.00 | Normal | TO262-3 |
| IPP120N10S4-05 | OptiMOS™-T2 | 5.00 | 120 | 0.80 | 2.00 ... 3.50 | 70.00 | Normal | TO220-3 |
| AUIRFS4310Z | Gen 10.7 | 6.00 | 120 | 0.60 | 2.00 ... 4.00 | 120.00 | Normal | TO-263-3 (D ² PAK 3-leg) |
| IPD90N10S4L-06 | OptiMOS™-T2 | 6.60 | 90 | 1.10 | 1.10 ... 2.10 | 75.00 | Logic | TO252-3 (DPAK) |
| IPD90N10S4-06 | OptiMOS™-T2 | 6.70 | 90 | 1.10 | 2.00 ... 3.50 | 52.00 | Normal | TO252-3 (DPAK) |
| AUIRFS4310 | Gen 10.2 | 7.00 | 75 | 0.50 | 2.00 ... 4.00 | 170.00 | Normal | TO-263-3 (D ² PAK 3-leg) |
| AUIRFB4410 | Gen 10.2 | 10.00 | 75 | 0.61 | 2.00 ... 4.00 | 120.00 | Normal | TO-220 |
| AUIRL7766M2 | Gen 10.7 | 10.00 | 51 | 2.40 | 1.00 ... 2.50 | 44.00 | Logic | DirectFET™2 M4 |
| IPB70N10S3-12 | OptiMOS™-T | 11.30 | 70 | 1.20 | 2.00 ... 4.00 | 51.00 | Normal | TO263-3-2 (TO220-3 (SMD)) |
| IPI70N10S3-12 | OptiMOS™-T | 11.60 | 70 | 1.20 | 2.00 ... 4.00 | 51.00 | Normal | TO262-3 |
| IPB70N10S3L-12 | OptiMOS™-T | 11.80 | 70 | 1.20 | 1.20 ... 2.40 | 60.00 | Logic | TO263-3-2 (TO220-3 (SMD)) |
| IPD60N10S4L-12 | OptiMOS™-T2 | 12.00 | 60 | 1.60 | 1.10 ... 2.10 | 38.00 | Logic | TO252-3 (DPAK) |
| IPI70N10S3L-12 | OptiMOS™-T | 12.10 | 70 | 1.20 | 1.20 ... 2.40 | 60.00 | Logic | TO262-3 |
| IPP70N10S3L-12 | OptiMOS™-T | 12.10 | 70 | 1.20 | 1.20 ... 2.40 | 60.00 | Logic | TO220-3 |
| IPD60N10S4-12 | OptiMOS™-T2 | 12.20 | 60 | 1.60 | 2.00 ... 3.50 | 26.00 | Normal | TO252-3 (DPAK) |

1) See packages on page 134 to 136