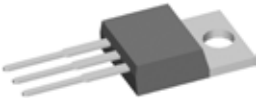
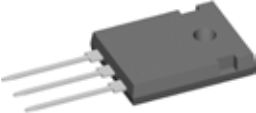
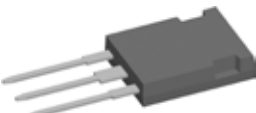
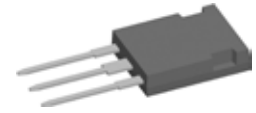

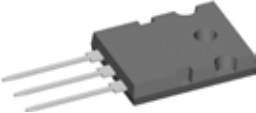
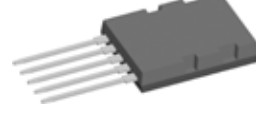
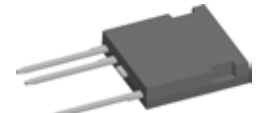



| Type | V _{CES} | I _{C25} T _C = 25°C | I _{C90} T _C = 90°C | V _{CE(sat)} typ T _C = 25°C | Gate drive | t _f typ T _C = 125°C | R _{thJC} max. | Fig. No. | Package style |
|---------------------------------------|------------------|---|---|--|------------|---|---------------------------|----------|---|
| ➤ New | V | A | A | V | V | ns | K/W | | Outline drawings on pages O-29...O-51 |
| 1600 V Low V_{CE(sat)} | | | | | | | | | |
| IXBP 5N160G | 1600 | 5.7 | 3.5 | 4.9 | 10 | 70 | 1.85 | X005a | X005a TO-220AB |
| IXBH 5N160G | | 5.7 | 3.5 | 4.9 | 10 | 70 | 1.85 | X014a |  |
| IXBF 9N160G | | 7.0 | 5 | 4.9 | 10 | 70 | 1.75 | X024c | |
| IXBH 9N160G | | 9.0 | 5 | 4.9 | 10 | 70 | 1.25 | X014a | |
| IXBF 40N160 | | 28 | 16 | 6.2 | 15 | 40 | 0.50 | X024c | |
| IXBH 40N160 | | 33 | 20 | 6.2 | 15 | 40 | 0.35 | X014a | X014a TO-247AD |
| 1700 V High Speed | | | | | | | | | |
| IXBH 16N170A | 1700 | 16 | 10 | 4.7 | 15 | 50 | 0.83 | X014a | |
| IXBT 16N170A | | 16 | 10 | 4.7 | 15 | 50 | 0.83 | X019 |  |
| IXBH 28N170A | | 30 | 14 | 6.0 | 15 | 50 | 0.42 | X014a | |
| IXBT 28N170A | | 30 | 14 | 6.0 | 15 | 50 | 0.42 | X019 | |
| IXBH 42N170A | | 42 | 21 | 6.0 | 15 | 50 | 0.35 | X014a | X015 PLUS247 |
| IXBT 42N170A | | 42 | 21 | 6.0 | 15 | na | 0.35 | X019 |  |
| ➤ IXBN 42T170A | | 42 | 21 | 6.0 | 15 | 50 | 0.35 | X019 | |
| ➤ IXBN 42N170A | | 42 | 21 | 6.0 | 15 | 50 | 0.40 | X027a | |
| ➤ IXBN 75N170A | | 75 | 42 | 6.0 | * | * | 0.20 | X027a | |
| ➤ IXBK 75N170A | | 110 | 65 | 6.0 | * | * | 0.12 | X020a | |
| ➤ IXBX 75N170A | | 110 | 65 | 6.0 | * | * | 0.12 | X015 | X016a ISOPLUS247™ |
| 1700 V Low V_{CE(sat)} | | | | | | | | | |
| IXBH 6N170 | 1700 | 10 | 6 | 3.4 | 15 | 600 | 1.65 | X014a | |
| IXBT 6N170 | | 10 | 6 | 3.4 | 15 | 690 | 1.65 | X019 |  |
| IXBH 10N170 | | 16 | 10 | 2.3 | 15 | 1200 | 1.25 | X014a | X019 TO-268AA |
| IXBT 10N170 | | 16 | 10 | 2.3 | 15 | 1200 | 1.25 | X019 | |
| IXBH 16N170 | | 40 | 16 | 3.3 | 15 | 705 | 0.50 | X014a | |
| IXBT 16N170 | | 40 | 16 | 3.3 | 15 | 705 | 0.50 | X019 |  |
| IXBH 24N170 | | 60 | 24 | 2.5 | 15 | 750 | 0.50 | X014a | |
| IXBT 24N170 | | 60 | 24 | 2.5 | 15 | 750 | 0.50 | X019 | |
| IXBH 42N170 | | 80 | 42 | 2.8 | 15 | 740 | 0.35 | X014a | X020a TO-264 |
| IXBT 42N170 | | 80 | 42 | 2.8 | 15 | 740 | 0.35 | X019 |  |
| ➤ IXBR 42N170 | | 57 | 32 | 2.9 | * | 740 | 0.62 | X016a | |
| ➤ IXBN 75N170 | | 14 | * | 3.1 | * | 440 | 0.20 | X027a | |
| ➤ IXBK 75N170 | | 200 | * | 3.1 | * | * | 0.12 | X020a | |
| ➤ IXBX 75N170 | | 200 | * | 3.1 | * | * | 0.12 | X015 | |
| 2500 V | | | | | | | | | |
| ➤ IXBH 2N250 | 2500 | 5 | * | 3.5 | 15 | 182 | 3.90 | X014a | X022c ISOPLUS264™ |
| ➤ IXBT 2N250 | | 5 | * | 3.5 | 15 | 182 | 3.90 | X019 |  |
| ➤ IXBL 64N250 | | 116 | * | 3.0 | * | 170 | 0.25 | X022c | |
| IXBK 64N250 | | 156 | * | 3.0 | * | 170 | 0.17 | X020a | |
| IXBX 64N250 | | 156 | * | 3.0 | * | 170 | 0.17 | X015 | |
| 3000 V | | | | | | | | | |
| ➤ IXBF 12N300 | 3000 | 22 | 12 | 3.2 | 15 | 540 | 1.25 | X024c | X024c ISOPLUS i4-PAC™ |
| ➤ IXBF 20N300 | | 2 | 15 | 3.2 | 15 | 504 | 1.13 | X024c |  |
| ➤ IXBH 12N300 | | 30 | * | 3.2 | 15 | 530 | 0.78 | X014a | |
| ➤ IXBT 12N300 | | 30 | * | 3.2 | 15 | 540 | 0.78 | X019 |  |
| ➤ IXBF 32N300 | | 40 | 22 | 3.2 | 15 | 630 | 0.78 | X024c | |
| ➤ IXBH 20N300 | | 50 | * | 3.2 | 15 | 504 | 0.50 | X014a | |
| ➤ IXBT 20N300 | | 50 | * | 3.2 | 15 | 504 | 0.50 | X019 | |
| ➤ IXBF 55N300 | | 73 | * | 3.2 | 15 | 268 | 0.43 | X024c | |
| ➤ IXBH 32N300 | | 80 | * | 3.2 | 15 | 720 | 0.31 | X014a | |
| ➤ IXBT 32N300 | | 80 | * | 3.2 | 15 | 720 | 0.31 | X019 | |
| ➤ IXBK 55N300 | | 130 | * | 3.2 | * | 268 | 0.20 | X020a | |
| ➤ IXBX 55N300 | | 130 | * | 3.2 | * | 268 | 0.20 | X015 | |

* under progress