



T-39-13

A CORTON COMPANY

POWER MOSFETs

| PART-NO | V _{DS} (V) | I _D 25°C (A) | I _D 100°C (A) | R _{DS} (ON) (ohms) | C _{ISS} (PF) | I _{DM} (A) | P _D (W) | Package |
|---------|------------------------|----------------------------|-----------------------------|--------------------------------|--------------------------|------------------------|-----------------------|---------|
| IRF120 | 100 | 8 | 5 | 0.3 | 600 | 32 | 40 | TO-3 |
| IRF122 | 100 | 7 | 4 | 0.4 | 600 | 28 | 40 | TO-3 |
| IRF123 | 60 | 7 | 4 | 0.4 | 600 | 28 | 40 | TO-3 |
| IRF130 | 100 | 14 | 9 | 0.18 | 800 | 56 | 75 | TO-3 |
| IRF131 | 60 | 14 | 9 | 0.18 | 800 | 56 | 75 | TO-3 |
| IRF132 | 100 | 12 | 8 | 0.25 | 800 | 48 | 75 | TO-3 |
| IRF133 | 60 | 12 | 8 | 0.25 | 800 | 48 | 75 | TO-3 |
| IRF140 | 100 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-3 |
| IRF141 | 60 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-3 |
| IRF142 | 100 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-3 |
| IRF143 | 60 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-3 |
| IRF150 | 100 | 40 | 25 | 0.055 | 3000 | 160 | 150 | TO-3 |
| IRF151 | 60 | 40 | 25 | 0.055 | 3000 | 160 | 150 | TO-3 |
| IRF152 | 100 | 33 | 20 | 0.08 | 3000 | 132 | 150 | TO-3 |
| IRF153 | 60 | 33 | 20 | 0.08 | 3000 | 132 | 150 | TO-3 |
| IRF220 | 200 | 5 | 3 | 0.8 | 600 | 20 | 40 | TO-3 |
| IRF221 | 150 | 5 | 3 | 0.8 | 600 | 20 | 40 | TO-3 |
| IRF222 | 200 | 4 | 2.5 | 1.2 | 600 | 16 | 40 | TO-3 |
| IRF223 | 150 | 4 | 2.5 | 1.2 | 600 | 16 | 40 | TO-3 |
| IRF230 | 200 | 9 | 6 | 0.4 | 800 | 36 | 75 | TO-3 |
| IRF231 | 150 | 9 | 6 | 0.4 | 800 | 36 | 75 | TO-3 |
| IRF232 | 200 | 8 | 5 | 0.6 | 800 | 32 | 75 | TO-3 |
| IRF233 | 150 | 8 | 5 | 0.6 | 800 | 32 | 75 | TO-3 |
| IRF240 | 200 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-3 |
| IRF241 | 150 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-3 |
| IRF242 | 200 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-3 |
| IRF243 | 150 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-3 |
| IRF250 | 200 | 30 | 19 | 0.085 | 3000 | 120 | 150 | TO-3 |
| IRF251 | 150 | 30 | 19 | 0.085 | 3000 | 120 | 150 | TO-3 |
| IRF252 | 200 | 25 | 16 | 0.12 | 3000 | 100 | 150 | TO-3 |
| IRF253 | 150 | 25 | 16 | 0.12 | 3000 | 100 | 150 | TO-3 |
| IRF320 | 400 | 3 | 2 | 1.8 | 600 | 12 | 40 | TO-3 |
| IRF321 | 350 | 3 | 2 | 1.8 | 600 | 12 | 40 | TO-3 |
| IRF322 | 400 | 2.5 | 1.5 | 2.5 | 600 | 10 | 40 | TO-3 |
| IRF323 | 350 | 2.5 | 1.5 | 2.5 | 600 | 10 | 40 | TO-3 |
| IRF330 | 400 | 5.5 | 3.5 | 1.0 | 900 | 22 | 75 | TO-3 |
| IRF331 | 350 | 5.5 | 3.5 | 1.0 | 900 | 22 | 75 | TO-3 |
| IRF332 | 400 | 4.5 | 3 | 1.5 | 900 | 18 | 75 | TO-3 |
| IRF333 | 350 | 4.5 | 3 | 1.5 | 900 | 18 | 75 | TO-3 |
| IRF340 | 400 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-3 |
| IRF341 | 350 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-3 |
| IRF342 | 400 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-3 |
| IRF343 | 350 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-3 |
| IRF350 | 400 | 15 | 9 | 0.3 | 3000 | 60 | 150 | TO-3 |
| IRF351 | 350 | 15 | 9 | 0.3 | 3000 | 60 | 150 | TO-3 |



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POWER MOSFETs

| PART-NO | V _{DS} (V) | I _D 25°C (A) | I _D 100°C (A) | R _{DS (ON)} (ohms) | C _{ISS} (PF) | I _{DM} (A) | P _D (W) | Package |
|---------|------------------------|----------------------------|-----------------------------|--------------------------------|--------------------------|------------------------|-----------------------|---------|
| IRF352 | 400 | 13 | 8 | 0.4 | 3000 | 52 | 150 | TO-3 |
| IRF353 | 350 | 13 | 8 | 0.4 | 3000 | 52 | 150 | TO-3 |
| IRF420 | 500 | 2.5 | 1.5 | 3 | 400 | 10 | 40 | TO-3 |
| IRF421 | 450 | 2.5 | 1.5 | 3 | 400 | 10 | 40 | TO-3 |
| IRF422 | 500 | 2 | 1 | 4 | 400 | 8 | 40 | TO-3 |
| IRF423 | 450 | 2 | 1 | 4 | 400 | 8 | 40 | TO-3 |
| IRF430 | 500 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-3 |
| IRF431 | 450 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-3 |
| IRF432 | 500 | 4 | 2.5 | 2 | 800 | 16 | 75 | TO-3 |
| IRF433 | 450 | 4 | 2.5 | 2 | 800 | 16 | 75 | TO-3 |
| IRF440 | 500 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-3 |
| IRF441 | 450 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-3 |
| IRF442 | 500 | 7 | 4 | 1.1 | 1600 | 28 | 125 | TO-3 |
| IRF443 | 150 | 7 | 4 | 1.1 | 1600 | 28 | 125 | TO-3 |
| IRF450 | 500 | 13 | 8 | 0.4 | 3000 | 52 | 150 | TO-3 |
| IRF451 | 450 | 13 | 8 | 0.4 | 3000 | 52 | 150 | TO-3 |
| IRF452 | 500 | 12 | 7 | 0.5 | 3000 | 48 | 150 | TO-3 |
| IRF453 | 450 | 12 | 7 | 0.5 | 3000 | 48 | 150 | TO-3 |
| IRF510 | 100 | 4 | 2.5 | 0.6 | 150 | 16 | 20 | TO-220 |
| IRF511 | 60 | 4 | 2.5 | 0.6 | 150 | 16 | 20 | TO-220 |
| IRF512 | 100 | 3.5 | 2.0 | 0.8 | 150 | 14 | 20 | TO-220 |
| IRF513 | 60 | 3.5 | 2.0 | 0.8 | 150 | 14 | 20 | TO-220 |
| IRF520 | 100 | 8 | 5 | 0.3 | 600 | 32 | 40 | TO-220 |
| IRF521 | 60 | 8 | 5 | 0.3 | 600 | 32 | 40 | TO-220 |
| IRF522 | 100 | 7 | 4 | 0.4 | 600 | 28 | 40 | TO-220 |
| IRF523 | 60 | 7 | 4 | 0.4 | 600 | 28 | 40 | TO-220 |
| IRF530 | 100 | 14 | 9 | 0.18 | 800 | 56 | 75 | TO-220 |
| IRF531 | 60 | 14 | 9 | 0.18 | 800 | 56 | 75 | TO-220 |
| IRF532 | 100 | 12 | 8 | 0.25 | 800 | 48 | 75 | TO-220 |
| IRF533 | 60 | 12 | 8 | 0.25 | 800 | 48 | 75 | TO-220 |
| IRF540 | 100 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-220 |
| IRF541 | 60 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-220 |
| IRF542 | 100 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-220 |
| IRF543 | 60 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-220 |
| IRF610 | 200 | 2.5 | 1.5 | 1.5 | 150 | 10 | 20 | TO-220 |
| IRF611 | 150 | 2.5 | 1.5 | 1.5 | 150 | 10 | 20 | TO-220 |
| IRF612 | 200 | 2 | 1.25 | 2.4 | 150 | 8 | 20 | TO-220 |
| IRF613 | 150 | 2 | 1.25 | 2.4 | 150 | 8 | 20 | TO-220 |
| IRF620 | 200 | 5 | 3 | 0.8 | 600 | 20 | 40 | TO-220 |
| IRF621 | 150 | 5 | 3 | 0.8 | 600 | 20 | 40 | TO-220 |
| IRF622 | 200 | 4 | 2.5 | 1.2 | 600 | 16 | 40 | TO-220 |
| IRF623 | 150 | 4 | 2.5 | 1.2 | 600 | 16 | 40 | TO-220 |
| IRF630 | 200 | 9 | 6 | 0.4 | 800 | 36 | 75 | TO-220 |
| IRF631 | 150 | 9 | 6 | 0.4 | 800 | 36 | 75 | TO-220 |
| IRF632 | 200 | 8 | 5 | 0.6 | 800 | 32 | 75 | TO-220 |

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A CORTON COMPANY

POWER MOSFETs

| PART-NO | V _{DS} (V) | I _D 25°C (A) | I _D 100°C | R _{DS} (ON) (ohms) | C _{ISS} (PF) | I _{DM} (A) | P _D (W) | Package |
|---------|------------------------|----------------------------|----------------------|--------------------------------|--------------------------|------------------------|-----------------------|---------|
| IRF633 | 150 | 8 | 5 | 0.6 | 800 | 32 | 75 | TO-220 |
| IRF640 | 200 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-220 |
| IRF641 | 150 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-220 |
| IRF642 | 200 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-220 |
| IRF643 | 150 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-220 |
| IRF710 | 400 | 1.5 | 1 | 3.6 | 150 | 6 | 20 | TO-220 |
| IRF711 | 350 | 1.5 | 1 | 3.6 | 150 | 6 | 20 | TO-220 |
| IRF712 | 400 | 1.3 | 0.8 | 5 | 150 | 5 | 20 | TO-220 |
| IRF713 | 350 | 1.3 | 0.8 | 5 | 150 | 5 | 20 | TO-220 |
| IRF720 | 400 | 3 | 2 | 1.8 | 600 | 12 | 40 | TO-220 |
| IRF721 | 350 | 3 | 2 | 1.8 | 600 | 12 | 40 | TO-220 |
| IRF722 | 400 | 2.5 | 1.5 | 2.5 | 600 | 10 | 40 | TO-220 |
| IRF723 | 350 | 2.5 | 1.5 | 2.5 | 600 | 10 | 40 | TO-220 |
| IRF730 | 400 | 5.5 | 3.5 | 1 | 800 | 22 | 75 | TO-220 |
| IRF731 | 350 | 5.5 | 3.5 | 1 | 800 | 22 | 75 | TO-220 |
| IRF732 | 400 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-220 |
| IRF733 | 350 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-220 |
| IRF740 | 400 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-220 |
| IRF741 | 350 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-220 |
| IRF742 | 400 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-220 |
| IRF743 | 350 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-220 |
| IRF820 | 500 | 2.5 | 1.5 | 3 | 400 | 10 | 40 | TO-220 |
| IRF821 | 450 | 2.5 | 1.5 | 3 | 400 | 10 | 40 | TO-220 |
| IRF822 | 500 | 2 | 1 | 4 | 400 | 8 | 40 | TO-220 |
| IRF823 | 450 | 2 | 1 | 4 | 400 | 8 | 40 | TO-220 |
| IRF830 | 500 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-220 |
| IRF831 | 450 | 4.5 | 3 | 1.5 | 800 | 18 | 75 | TO-220 |
| IRF832 | 500 | 4 | 2.5 | 2 | 800 | 16 | 75 | TO-220 |
| IRF833 | 450 | 4 | 2.5 | 2 | 800 | 16 | 75 | TO-220 |
| IRF840 | 500 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-220 |
| IRF841 | 450 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-220 |
| IRF842 | 500 | 7 | 4 | 1.10 | 1600 | 28 | 125 | TO-220 |
| IRF843 | 450 | 7 | 4 | 1.10 | 1600 | 28 | 125 | TO-220 |
| IRFP140 | 100 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-3P |
| IRFP141 | 60 | 27 | 17 | 0.085 | 1600 | 108 | 125 | TO-3P |
| IRFP142 | 100 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-3P |
| IRFP143 | 60 | 24 | 15 | 0.11 | 1600 | 96 | 125 | TO-3P |
| IRFP150 | 100 | 40 | 25 | 0.055 | 3000 | 160 | 150 | TO-3P |
| IRFP151 | 60 | 40 | 25 | 0.055 | 3000 | 160 | 150 | TO-3P |
| IRFP152 | 100 | 33 | 20 | 0.08 | 3000 | 132 | 150 | TO-3P |
| IRFP153 | 60 | 33 | 20 | 0.08 | 3000 | 132 | 150 | TO-3P |
| IRFP240 | 200 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-3P |
| IRFP241 | 150 | 18 | 11 | 0.18 | 1600 | 72 | 125 | TO-3P |
| IRFP242 | 200 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-3P |
| IRFP243 | 150 | 16 | 10 | 0.22 | 1600 | 64 | 125 | TO-3P |

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FCI

T-39-13

A CORTON COMPANY

POWER MOSFETs

| PART-NO | V_{DS} (V) | I_D 25°C (A) | I_D 100°C (A) | R_{DS} (ON) (ohms) | C_{ISS} (PF) | I_{DM} (A) | P_D (W) | Package |
|----------|-----------------|-------------------|--------------------|-------------------------|-------------------|-----------------|--------------|---------|
| IRFP250 | 200 | 30 | 19 | 0.085 | 3000 | 120 | 150 | TO-3P |
| IRFP251 | 150 | 30 | 19 | 0.085 | 3000 | 120 | 150 | TO-3P |
| IRFP252 | 200 | 25 | 16 | 0.12 | 3000 | 100 | 150 | TO-3P |
| IRFP253 | 150 | 25 | 16 | 0.12 | 3000 | 100 | 150 | TO-3P |
| IRFP340 | 400 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-3P |
| IRFP3411 | 350 | 10 | 6 | 0.55 | 1600 | 40 | 125 | TO-3P |
| IRFP342 | 400 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-3P |
| IRFP343 | 350 | 8 | 5 | 0.8 | 1600 | 32 | 125 | TO-3P |
| IRFP350 | 400 | 15 | 9 | 0.4 | 3000 | 60 | 150 | TO-3P |
| IRFP351 | 350 | 15 | 9 | 0.4 | 3000 | 60 | 150 | TO-3P |
| IRFP352 | 400 | 13 | 8 | 0.5 | 3000 | 52 | 150 | TO-3P |
| IRFP353 | 350 | 13 | 8 | 0.5 | 3000 | 52 | 150 | TO-3P |
| IRFP440 | 500 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-3P |
| IRFP441 | 450 | 8 | 5 | 0.85 | 1600 | 32 | 125 | TO-3P |
| IRFP442 | 500 | 7 | 4 | 1.1 | 1600 | 28 | 125 | TO-3P |
| IRFP443 | 450 | 7 | 4 | 1.1 | 1600 | 28 | 125 | TO-3P |
| IRFP450 | 500 | 13 | 8 | 0.3 | 2000 | 52 | 150 | TO-3P |
| IRFP451 | 450 | 13 | 8 | 0.3 | 2000 | 52 | 150 | TO-3P |
| IRFP452 | 500 | 12 | 7 | 0.4 | 2000 | 48 | 150 | TO-3P |
| IRFP453 | 450 | 12 | 7 | 0.4 | 2000 | 48 | 150 | TO-3P |

FCI COMPONENTS LISTING

BRIDGE RECTIFIERS (15 AMPS TO 35 AMPS, W, MDA, DF, KBL AND KBPC SERIES)

FAST RECOVERY RECTIFIERS (1, 1.5, 2.0, AND 3 AMPS, FROM 50 TO 1KV)

FAST RECOVERY HIGH VOLTAGE RECTIFIERS

HIGH VOLTAGE RECTIFIERS (200 MA AND 500 MA FROM 1500V TO 15KV)

HIGH EFFICIENCY RECTIFIERS

SCHOTTKY RECTIFIERS

ULTRA FAST RECOVERY RECTIFIERS

POWER TRANSISTORS (2N SERIES, AND ASSOCIATED FAMILY)

POWER MOSFETS

TRANSIENT VOLTAGE SUPPRESSORS

ADAPTERS AC TO AC, AC TO DC, DC TO DC. (UP TO 35 WATTS)

TRANSFORMERS DC-TO-DC CONVERTOR