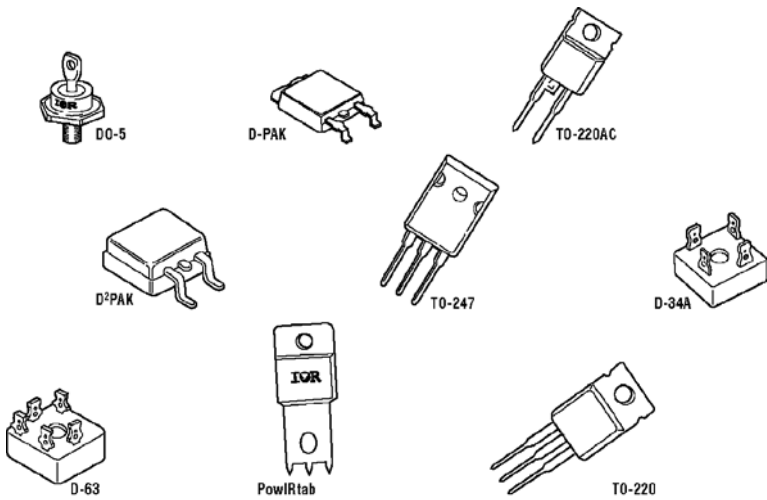


Rectifiers (continued)



Standard Recovery Discrete Diodes (continued)

| Mfr.'s Type | VRRM (V) | IF(AV) Comp. (A) | @ TC (C°) | VFM @ 25°C (V) | RTH(JC) (°C/W) Max. | Package |
|-------------|----------|------------------|-----------|----------------|---------------------|------------------|
| 70HFR100 | -1000 | 70 | 140 | 1.35 | 0.450 | DO-5 (1/4) |
| 16FR120 | -1200 | 16 | 140 | 1.23 | 1.600 | DO-4 (10/32) |
| 70HFR120 | -1200 | 70 | 140 | 1.35 | 0.450 | DO-5 (1/4) |
| 85HFR120 | -1200 | 85 | 140 | 1.20 | 0.350 | DO-5 (1/4) |
| 85HFR160 | -1600 | 85 | 110 | 1.20 | 0.350 | DO-5 (1/4) |
| 40HF40 | 400 | 40 | 140 | 1.30 | 1.000 | DO-5 (1/4) |
| 25F60 | 600 | 25 | 120 | 0.90 | 1.500 | DO-4 (10/32) |
| 70HF60 | 600 | 70 | 140 | 1.35 | 0.450 | DO-5 (1/4) |
| 1N3293 | 600 | 100 | 130 | 1.50 | 0.400 | DO-8 (3/8) |
| 85HF80 | 800 | 85 | 140 | 1.20 | 0.350 | DO-5 (1/4) |
| SD600N08PC | 800 | 600 | 92 | 1.31 | 0.100 | B-3C (3/4) |
| SD400C12C | 1200 | 800 | 55 | 1.86 | 0.073 | A-PUK (DO-200AA) |
| SD1100C12L | 1200 | 1170 | 55 | 1.31 | 0.050 | B-PUK (DO-200AB) |
| SD1100C16L | 1600 | 1170 | 55 | 1.31 | 0.050 | B-PUK (DO-200AB) |
| SD150N20PC | 2000 | 150 | 125 | 1.50 | 0.230 | DO-30 (1/2) |
| SD1100C25L | 2500 | 910 | 55 | 1.44 | 0.050 | B-PUK (DO-200AB) |

Standard Recovery Rectifier Diodes

| Mfr.'s Type | VRRM (V) | IF(AV) @ Tc = 105°C (A) | VFM @ IFM (V) | Rn(JC)DC (°C/W) | Package |
|-------------|----------|-------------------------|---------------|-----------------|----------|
| 8EWS08S | 800 | 8 | 1.1 | 3.00 | D-PAK |
| 10ETS08 | 800 | 10 | 1.1 | 2.50 | TO-220AC |
| 10ETS08S | 800 | 10 | 1.1 | 2.50 | D-PAK |
| 60EPS08 | 800 | 60 | 1.1 | 0.45 | TO-247 |
| 80EPS08 | 800 | 80 | 1.1 | 0.35 | TO-247 |
| 8EWS12S | 1200 | 8 | 1.1 | 3.00 | D-PAK |
| 20ETS12 | 1200 | 20 | 1.1 | 2.50 | TO-220AC |
| 40EPS12 | 1200 | 40 | 1.1 | 0.55 | TO-247AC |
| 60EPS12 | 1200 | 60 | 1.1 | 0.45 | TO-247 |

Fast Recovery Rectifier Diodes

| | | | | | |
|---------|-----|----|-----|------|----------|
| 8EWF04S | 400 | 8 | 1.2 | 2.50 | D-PAK |
| 10ETF06 | 600 | 10 | 1.5 | 1.50 | TO-220AC |

Single-Phase and Three-Phase Bridge Rectifiers

MB series are isolated base types. MT series are three-phase. Must be used with suitable heatsink. UL recognized.

| Mfr.'s Type* | VRRM (V) | IFSM (A) | @ Tc (°C) | Io (A) | Package |
|--------------|----------|----------|-----------|--------|---------|
| 36MB05A | 50 | 420 | 60 | 35 | D-34A |
| 26MB05A | 50 | 350 | 65 | 25 | D-34A |
| 26MB10A | 100 | 350 | 65 | 25 | D-34A |
| 36MB10A | 100 | 420 | 60 | 35 | D-34A |

Single-Phase and Three-Phase Bridge Rectifiers (cont.)

| Mfr.'s Type* | VRRM (V) | IFSM (A) | @ Tc (°C) | Io (A) | Package |
|--------------|----------|----------|-----------|--------|-----------|
| 36MT10 | 100 | 420 | 60 | 35 | D-63 |
| 26MB20A | 200 | 350 | 65 | 25 | D-34A |
| 36MB20A | 200 | 420 | 60 | 35 | D-34A |
| 36MT20 | 200 | 420 | 60 | 35 | D-63 |
| 36MB40A | 400 | 420 | 60 | 35 | D-34A |
| 36MT40 | 400 | 420 | 60 | 35 | D-63 |
| 26MB60A | 600 | 350 | 65 | 25 | D-34A |
| 36MB60A | 600 | 420 | 60 | 35 | D-34A |
| 36MT60 | 600 | 420 | 60 | 35 | D-63 |
| 26MB80A | 800 | 350 | 65 | 25 | D-34A |
| 36MB80A | 800 | 420 | 60 | 35 | D-34A |
| 36MT80 | 800 | 420 | 60 | 35 | D-63 |
| 70MT80KB | 800 | 70 | 85 | 70 | INT-A-PAK |
| 26MB100A | 1000 | 350 | 65 | 25 | D-34A |
| 36MB100A | 1000 | 420 | 60 | 35 | D-34A |
| 36MT100 | 1000 | 420 | 60 | 35 | D-63 |
| 26MB120A | 1200 | 350 | 65 | 25 | D-34A |
| 36MB120A | 1200 | 420 | 60 | 35 | D-34A |
| 36MT120 | 1200 | 420 | 60 | 35 | D-63 |
| 36MT140 | 1400 | 420 | 60 | 35 | D-63 |
| 26MB160A | 1600 | 350 | 65 | 25 | D-34A |
| 36MB160A | 1600 | 420 | 60 | 35 | D-34A |
| 36MT160 | 1600 | 420 | 60 | 35 | D-63 |
| 110MT160KB | 1600 | 110 | 90 | 110 | INT-A-PAK |

Standard Recovery Rectifiers

| Mfr.'s Type* | VRRM (V) | @ Tc (°C) | VFM @ IFM (V) | IFSM (A) | Package |
|--------------|----------|-----------|---------------|----------|----------|
| 70EPS08 | 800 | 70 | 1.15 | 900 | PowlRtab |
| 85EPS08 | 800 | 85 | 1.15 | 1400 | PowlRtab |
| 70EPS12 | 1200 | 70 | 1.15 | 900 | PowlRtab |
| 85EPS12 | 1200 | 85 | 1.15 | 1400 | PowlRtab |

Fast Recovery Rectifiers

| | | | | | |
|---------|------|----|------|------|----------|
| 70EPF02 | 200 | 70 | 1.35 | 600 | PowlRtab |
| 85EPF02 | 200 | 85 | 1.35 | 800 | PowlRtab |
| 70EPF04 | 400 | 70 | 1.35 | 600 | PowlRtab |
| 85EPF04 | 400 | 85 | 1.35 | 800 | PowlRtab |
| 70EPF06 | 600 | 70 | 1.35 | 600 | PowlRtab |
| 85EPF06 | 600 | 85 | 1.35 | 800 | PowlRtab |
| 70EPF08 | 800 | 70 | 1.40 | 700 | PowlRtab |
| 85EPF08 | 800 | 85 | 1.40 | 1400 | PowlRtab |
| 70EPF10 | 1000 | 70 | 1.40 | 700 | PowlRtab |
| 85EPF10 | 1000 | 85 | 1.40 | 1400 | PowlRtab |
| 70EPF12 | 1200 | 70 | 1.40 | 700 | PowlRtab |
| 85EPF12 | 1200 | 85 | 1.40 | 1400 | PowlRtab |

Insulated Gate Bipolar Transistors

| Mfr.'s Type | Vces Max. (V) | Ic Max. @ 25°C (A) | Po Power Dissipation Max. (W) | Speed | Package |
|-------------|---------------|--------------------|-------------------------------|--------------------------|---------------|
| IRG4BC10UD | 600 | 8.5 | 38 | Ultra-fast | TO-220 |
| IRG4BC20W | 600 | 13.0 | 60 | Warp | TO-220 |
| IRG4BC20UD | 600 | 13.0 | 60 | Ultra-fast | TO-220 CoPack |
| IRG4BC20KD | 600 | 16.0 | 60 | Ultra-fast short circuit | TO-220 CoPack |
| IRG4BC30U | 600 | 23.0 | 100 | Ultra-fast | TO-220 |
| IRG4BC30UD | 600 | 23.0 | 100 | Ultra-fast | TO-220 CoPack |
| IRG4BC30S | 600 | 34.0 | 100 | Standard | TO-220 |
| IRG4BC40W | 600 | 40.0 | 160 | Warp | TO-220 |
| IRG4PC40W | 600 | 40.0 | 160 | Warp | TO-247 |
| IRG4PC40UD | 600 | 40.0 | 160 | Ultra-fast | TO-247 CoPack |
| IRG4PC40KD | 600 | 42.0 | 160 | Ultra-fast short circuit | TO-247 CoPack |

*@ Tc = 100°C.

| Mfr.'s Type | Vces Max. (V) | Ic Max. @ 25°C (A) | Po Power Dissipation Max. (W) | Speed | Package |
|-------------|---------------|--------------------|-------------------------------|--------------------------|-----------------|
| IRG4PC50KD | 600 | 52.0 | 200 | Ultra-fast short circuit | TO-247 CoPack |
| IRG4PC50U | 600 | 55.0 | 200 | Ultra-fast | TO-247 |
| IRG4PC50W | 600 | 55.0 | 200 | Warp | TO-247 |
| IRG4PC50UD | 600 | 55.0 | 200 | Ultra-fast | TO-247 CoPack |
| IRG4PC50S | 600 | 80.0 | 200 | Standard | TO-247 |
| IRG4PC571UD | 600 | 60.0* | 350 | Ultra-fast | Super247 Copack |
| IRG4PC571U | 600 | 61.0* | 350 | Ultra-fast | Super247 |
| IRG4PF50W | 900 | 51.0 | 200 | Warp | TO-247 |
| IRG4PH30KD | 1200 | 20.0 | 100 | Ultra-fast short circuit | TO-247 CoPack |
| IRG4PH40KD | 1200 | 30.0 | 160 | Ultra-fast short circuit | TO-247 CoPack |
| IRG4PH50U | 1200 | 45.0 | 200 | Ultra-fast | TO-247 |

*@ Tc = 100°C.