

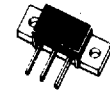
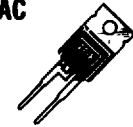
# Schottky Rectifiers

## "Or-ing" Devices

19-80 Amps

**International  
IOR Rectifier**

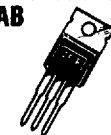
| Part Number | VRRM (V) | IF(AV) @ Tc |      | VFM @ IFM<br>TJ = 70°C (V) |           | IFSM (1) |     | IRM @ TJ = 70°C & Rated VRWM (mA) | Max. TJ (°C) | Case Outline Number (6) | Notes | Case Style |
|-------------|----------|-------------|------|----------------------------|-----------|----------|-----|-----------------------------------|--------------|-------------------------|-------|------------|
|             |          | (A)         | (°C) | 50 Hz (A)                  | 60 Hz (A) |          |     |                                   |              |                         |       |            |
| 19TQ007     | 7        | 19          | 90   | 0.24                       | 8         | 260      | 275 | 100                               | 100          | J8                      | (2)   | TO-220AC   |
| 19TQ015     | 7        |             |      | 0.27                       | 13        |          |     | 100                               |              |                         |       |            |
|             | 7        |             |      | 0.30                       | 19        |          |     | 100                               |              |                         |       |            |
|             | 15       |             |      | 0.24                       | 8         |          |     | 210                               |              |                         |       |            |
|             | 15       |             |      | 0.27                       | 13        |          |     | 210                               |              |                         |       |            |
|             | 15       |             |      | 0.30                       | 19        |          |     | 210                               |              |                         |       |            |
| 85CNQ007    | 7        | 80          | 70   | 0.24                       | 40        | 610      | 640 | 100                               | 100          | K3                      | (5)   | D-61       |
|             | 7        |             |      | 0.27                       | 60        |          |     | 100                               |              |                         |       |            |
|             | 7        |             |      | 0.30                       | 80        |          |     | 100                               |              |                         |       |            |
| 85CNQ015    | 15       |             |      | 0.24                       | 40        |          |     | 210                               |              |                         |       |            |
|             | 15       |             |      | 0.27                       | 60        |          |     | 210                               |              |                         |       |            |
|             | 15       |             |      | 0.30                       | 80        |          |     | 210                               |              |                         |       |            |



## High Voltage - Center Tap Devices

10 Amps

| Part Number | VRRM (V) | IO(AV) @ Tc |      | VFM @ IFM = 1/2 IF(AV) TJ = 100°C (V) | IFSM (1)  |           | IRM @ TJ = 125°C & Rated VRWM (mA) | Max. TJ (°C) | Case Outline Number (7) | Notes | Case Style |
|-------------|----------|-------------|------|---------------------------------------|-----------|-----------|------------------------------------|--------------|-------------------------|-------|------------|
|             |          | (A)         | (°C) |                                       | 50 Hz (A) | 60 Hz (A) |                                    |              |                         |       |            |
| 10CTQ140    | 140      | 10          | 121  | 0.67                                  | 97        | 100       | 13                                 | 150          | K1                      | (2)   | TO-220AB   |
| 10CTQ150    | 150      |             |      |                                       |           |           |                                    |              |                         |       |            |



## Surface Mount Devices

0.7 - 6.6 Amps

| Part Number | VRRM (V) | IF(AV) @ Tc |      | VFM @ IFM = 1/2 IF(AV) TJ = 100°C (V) | IFSM (1)  |           | IRM @ TJ = 125°C & Rated VRWM (mA) | Max. TJ (°C) | Case Outline Number (6) | Notes | Case Style      |
|-------------|----------|-------------|------|---------------------------------------|-----------|-----------|------------------------------------|--------------|-------------------------|-------|-----------------|
|             |          | (A)         | (°C) |                                       | 50 Hz (A) | 60 Hz (A) |                                    |              |                         |       |                 |
| 10MQ040     | 40       | 1.1         | 90   | 0.53                                  | 30        | 32        | 50                                 | 125          | J1A                     | (3)   | D-64            |
| 10MQ060     | 60       | 0.7         | 7    | 110                                   | 0.59      | 10        | 11                                 | 7.5          |                         |       |                 |
| 10MQ090     | 90       | 0.77        | 110  | 0.69                                  | 10        | 11        | 5.0                                |              |                         |       |                 |
| 15MQ040     | 40       | 1.7         |      | 0.55                                  | 60        | 64        | 50                                 | 125          |                         |       |                 |
| 30WQ03F     | 30       | 3.3         | 109  | 0.60                                  | 40        | 42        | 12.0                               | 125          | J6                      | (3)   | TO-252<br>D-PAK |
| 30WQ04F     | 40       | 3.3         | 109  | 0.60                                  |           |           | 20.0                               |              |                         |       |                 |
| 30WQ05F     | 50       | 3.3         | 108  | 0.65                                  | 30.0      |           |                                    |              |                         |       |                 |
| 30WQ06F     | 60       | 3.3         | 108  | 0.65                                  | 15.0      |           |                                    |              |                         |       |                 |
| 30WQ09F     | 90       | 3.3         | 107  | 0.80                                  | 2.0       |           |                                    |              |                         |       |                 |
| 30WQ10F     | 100      | 3.3         | 107  | 0.80                                  | 2.0       |           |                                    |              |                         |       |                 |
| 50WQ03F     | 30       | 5.5         | 97   | 0.63                                  | 45        | 47        | 20.0                               | 125          |                         |       |                 |
| 50WQ04F     | 40       | 5.5         | 97   | 0.63                                  |           |           | 20.0                               |              |                         |       |                 |
| 50WQ05F     | 50       | 5.5         | 95   | 0.70                                  |           |           | 30.0                               |              |                         |       |                 |
| 50WQ06F     | 60       | 5.5         | 95   | 0.70                                  |           |           | 30.0                               |              |                         |       |                 |
| 50WQ09F     | 90       | 5.5         | 95   | 0.82                                  |           |           | 3.0                                |              |                         |       |                 |
| 50WQ10F     | 100      | 5.5         | 95   | 0.82                                  |           |           | 3.0                                |              |                         |       |                 |
| 6CWQ03F     | 30       | 6.6         | 101  | 0.54                                  | 45        | 47        | 20.0                               | 125          |                         |       |                 |
| 6CWQ04F     | 40       | 6.6         | 101  | 0.54                                  |           |           | 20.0                               |              |                         |       |                 |
| 6CWQ05F     | 50       | 6.6         | 98   | 0.58                                  |           |           | 30.0                               |              |                         |       |                 |
| 6CWQ06F     | 60       | 6.6         | 98   | 0.58                                  |           |           | 30.0                               |              |                         |       |                 |
| 6CWQ09F     | 90       | 6.6         | 98   | 0.75                                  |           |           | 3.0                                |              |                         |       |                 |
| 6CWQ10F     | 100      | 6.6         | 98   | 0.75                                  |           |           | 3.0                                |              |                         |       |                 |



(1) Peak half-cycle sinewave, following any rated load condition. VRWM reapplied.  
 (2) For lead formed options see rear of section

(3) For tape and reel options see rear of section  
 (5) Dual-die center tap — common cathode. IF(AV) is IO(AV).  
 (6) For case outline drawing see rear of section  
 (7) For case outline drawing see rear of section